

FAT BEAR WEEK
2ND PLACE!
#910



leepycat

MR GOOSE



“WHAT DO THE mathNEWS EDITORS HAVE A PHD IN?”

Hello friends!

Devastating news: we are officially more than one-quarter of the way through the term. I feel like I maintain a sense that the term has “just begun” until like $\frac{3}{8}$ of the way through, and then midterm fog of war blinds me until $\frac{3}{4}$ of the way through and then I have to study for finals and then what the hell the term is already done and then the next term starts.

Luckily I’m doing an MURA (a research term), so I only have one course to worry about. Still, the time still always seems to fly by so quickly, and with it all my ambitions about what I was going to do during the term. So take stock! This is the middle of the term! The things that are currently going on are likely to be the things that are going on until winter break! If you would like different things to be going on then you should take action!

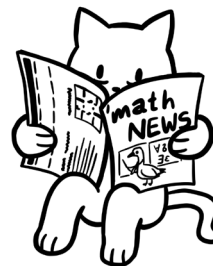
A similar crisis is befalling me (and others whose first **mathNEWS** issue was v150i0): I recently got an email from the faculty about *graduating*. Soon I will vanish and the only remnant of my existence will be a photo on the wall in the **mathNEWS** office... is what I *would* be saying if that email was real, but of course this is all fake and me and all my friends will be here forever! Close one.

On the topic of cognitive dissonance, if you’re looking for a distraction, you are holding an excellent one in your hands right now! It’s got space yuri, groundbreaking research in philosophical logic, and n “ n things” articles. Not to mention advice from your (yes, your very own) big sister!

Oh yeah, and Alberta will soon (October 19th) be asking its residents if it should ask them if it should secede, so that’s pretty important. Read about it on page 18!

Love,

contentED
Editor, mathNEWS



birdED
Editor, mathNEWS



Cover art for this issue provided by eepycat.

MRBLUESKY	Counting above ten
YALEVOYLIAN	Ligature typography
ASPIRO	Pizza Nova menu options
WAFFLE	Existentialism with a side of fries
IGNIS	Exoplanet terraforming
STRATUS	Yapology
LYCHEE	pigeon art discrimination
:3	no.
FLOWERYYY_	gooning probably
FINGERSINSOCKETS	nothing. PhD stands for pretty hungry dude because theyre so hungry during prodNIGHTs for pizza mmmmmmmmmmm theyre so hungry
HBLANK ENJOYER	silly billy studies with a specialization in tomfoolery
AXON_TERMINAL	Wordpress 7.1.2
DOLLAR STORE PERSON	not drinking the orbitz until mass destruction strikes
BEESKNEES	Reading nonsense
LARS NOOTBAAR	Definitely not grass
SNOWDOZER	mathNEWS
CONTENTED	Archival Studies (the office is overflowing with random stuff)
BARKED	The real answer is that we’re all way too ADHD to keep up with grad school :)

ARTICLE OF THE ISSUE

This issue’s AOTI is (*pseudonym*)’s (*it’s chill*). Even though this article gave me a headache when I was copyediting it, I begrudgingly have to admit that it is very funny (and relatable to me, as an avid user of parentheses myself). There is a prize (for you to claim (you’ll have to pick it up (from MC 3030))).

I have never seen this InDesign panel before.

AWAB QURESHI, mathNEWS EDITOR FOR FALL 2026
ALONG WITH AUBRIE CHAN, ARIEL CHEN, MADIHA MANSOOR,
SARA NAYAR, NOAH NAZARETH, AND ALEXANDER NOVIKOV

mathASKS 162.2

FEATURING FALL 2026 mathNEWS EDITOR BIRDED

REVIVE: GIVEN ABSOLUTE DICTATORIAL CONTROL OVER mathNEWS, AS THE SOLE EDITOR, WHAT WOULD YOU CHANGE?

No more **math**. only **NEWS**. As someone not in a Math or Computer Science or Engineering program I am sick of not getting all the math and coding jokes that these nerds put in their articles!!! (just kidding nerds I love you)

REVIVE: WHAT ARE UR THOUGHTS ON THE NORTHERN GANNET?

Very good bird! They are the largest species of gannet, and there are only six established breeding colonies in North America; three in the Gulf of St. Lawrence, and three off the coast of Newfoundland. I've never seen them in real life, but seeing a flock feeding over open water is a birding goal of mine!

MRBLLUESKY: WHAT TYPE OF ART DO YOU ENJOY MAKING?

I like painting, pen-and-ink, and digital art! Many of the recent **mathNEWS** covers featuring geese have been my work. If anyone has suggestions for cover art, I'm always looking for more ideas :)

WAFFLE: WHAT'S THE MOST INTRIGUING BIRD YOU HAVE SIGHTED THUS FAR IN YOUR BIRD CAREER, EITHER REAL OR IMAGINED?

The prospect of seeing an imaginary bird is certainly intriguing! However, I must admit I have not seen an imaginary bird before. If we're only talking about real birds, I was most excited to see a Black-and-white Warbler while volunteering at a banding station in Calgary, where they are much less common than they are in Eastern Canada. Seeing an Olive-sided Flycatcher and a Say's Phoebe there was also very cool!

FINGERSINSOCKETS: WOULD YOU RATHER HAVE UNLIMITED PIZZA BUT NO VIDEO GAMES, OR GAMES, UNLIMITED GAMES, BUT NO GAMES?

Great question. Games, unlimited games, but no games.

AXON_TERMINAL: MERLIN OR EBIRD OR INAT. NO NUANCE

Merlin Sound ID my beloved. It's so fun to be part of a group of birders all pulling out your phones at the same time trying to figure out what that weird sound is. eBird is definitely helpful when doing surveys, but I'm usually working with a team of people in those situations; I am not a checklist birder, and trying to track the numbers of every species of bird when I'm on my own just stresses me out. I am content with simply experiencing the birds when I see and hear them :)

LARS NOOTBAAR AND BEESKNEES: FAVOURITE BIRD?

Tough one! I have to go with the Varied Thrush, though. They're gorgeous orange and black birds, but they are also very shy. I've only heard them singing a couple times, and I've never seen one, but they have an eerily beautiful, haunting song. Sitting in the mountains listening to them sing is a core memory of mine.

TERMINAL: ARE BIRDS REAL?

They are real in my heart ♡

DOLLAR STORE PERSON: WHY DID YOU CHOOSE THE PSEUDONYM BIRDED? ASKING FOR MY BIRD LOVER FRIENDS

I do indeed love birds! I think "birding" as a verb has gained a lot of recognition in recent years, and I often go birding myself. You could even say I have birded a fair bit!

BEYOND META: FAVOURITE BIT OF NICHE UW LORE?

The story behind the "meteorwrong" in the Earth Sciences Museum. The donor thought it was a meteorite, it was not, but the museum accepted it into their collection anyway; hence, meteor-wrong.

birdED

HOW MANY PAGES OF THE BOOK I GOT AT THE USED BOOKSTORE HAVE I READ SINCE I OPENED IT IN MAY?

THE OLD GOAT SPECIAL

About thirty pages. Someone's died... that's about it. He had a pocket full of Rye, which has some unknown significance, and lives surrounded by Yew trees, the same tree used to poison his tea. So far Agatha Christie seems quite judgmental of some of her own characters, such as the servants, but spares limited judgment for the male victim who made lots of enemies and lived in a house surrounded by poison trees.

Maybe I will get another ten pages done by November.

I really need to focus better on reading things that aren't **mathNEWS**.

Lars Nootbaar

BIG SISTER ADVICE COLUMN

As someone who has spent five years at Waterloo with another year to go, switched programs, took a gap year, spent a term in another country (not on exchange), worked in a factory for my first co-op, met someone I thought I would spend the rest of my life with (turns out that's a very long time and something that you can't really know when you're 21), my undergrad so far was definitely not what I had envisioned going into it.

A lot of you reading this are first- or second-years who are very afraid (I was too) and maybe some of you are about to take your very first exams here. You might feel immense pressure to do the right things and fulfill your potential and apply to the right internships. It will feel like you have a very limited window of time to take advantage of an opportunity you will never get again and you need to get it *right*. Or else what would it have been for? What was the point of staying up late and all the hackathons and being the president of chess club and memorizing every possible question for your high school math exams to get a 99% average?

You might hear this a lot but I was in your position, believe me. When I first started out I felt super lost and there was no real reason to do the things I was doing; I just knew it was "right." Everything I had worked for at that point was to end up here. All the hard work I had put in for years before was just to get to this point. My parents told me it was right. My friends said it was right. My teachers said it was right. But I hated my program, and I did factory line work for my first co-op (literally put parts in bins in an assembly line for eight hours a day), hated all my labs, hated my classes, and I always *always* knew something wasn't right.

If you feel deep in your heart that something isn't right it's a very scary feeling. You spend a lot of time ignoring it and pretending it doesn't exist. You try to make yourself like things you don't like and convince yourself of things you don't feel. But that feeling is there, and it goes against everything you knew, and it only grows stronger. You don't have to act on

the feeling right away, but it's not there to harm you or take things away from you. You'll realize eventually that it's very important information.

At the time, I wish I had an older sister to tell me that if I wanted to transfer programs, or take a gap year, or say no to things I didn't want to do (this one can be very hard)—to just take the easier road sometimes. You don't always have to grit your teeth and tough through it especially if it causes you a destructive amount of stress. And listen listen listen:

It's okay to study less for an exam.

It's okay to not do the things that other people on LinkedIn are doing.

It's okay to skip an assignment every now and then.

It's okay to feel like everyone around you is doing better than you.

Now that midterms are coming up and interviews are going on I know a lot of you are very stressed. Exams can be very scary. One thing that always helped me was doing one thing I actually wanted to do after. Whether that meant lying in bed for hours watching compilations on YouTube or eating a disgustingly greasy meal or only doing one question on an assignment instead of the ten I promised myself.

Be nice to yourself overall, it's going to be okay I promise. These nice things you do for yourself pay off just like hard work does. You have sooo much life ahead of you even in the next few years and you're going to look back at this very moment and you might not even remember the course you were agonizing over.

You got this and I believe in you :)

Your big sister,

togepic

NUMBERS ON THE GOOLOGY WIKI RANKED BY WHETHER YOU SHOULD NAME YOUR CHILD AFTER IT

ALL OF THEM ARE F-TIER

Googology is the study of extremely large numbers. It's more interesting than other math fields though, because while there is serious mathematics involved, the community is not particularly academic (the main site they have is hosted on Fandom, with an accompanying Reddit and Miraheze). Other communities with a similar makeup include Grow a Garden, the hit Roblox game where players must grow crops and sell them for money.

This leads to lots of the "large numbers" being named by people that one would probably judge to be unacademic:

chronically online teenagers. Here's a copy-pasted, non-cherry-picked section of the list of numbers at random:

- Weebol, $\{10,100,400(1)2\}$
- Wibol, $\{10,100,500(1)2\}$
- Wobbol, $\{10,100,600(1)2\}$
- Wabol, $\{10,100,700(1)2\}$
- Bwoobol, $\{10,10,1000(1)2\}$
- Euoi! This is not tricky trials!, $\{13,6,2024(1)2\}$
- Boobolplex, $\{10,10,\{10,10,100(1)2\}(1)2\}$
- Grand guldahl, $E100\#\#100\#\#100\#2$

As an astute reader would notice, these would all also work as the names of streaming TV services and dating apps. Let's limit each tier to three examples, because there are really so many.

S TIER: PEOPLE ACTUALLY HAVE THESE NAMES

Musashi: Also known as 634, the Wiki decides to call it this in English. Musashi (武志) is a valid name, which usually means "martial aspiration," and that sounds pretty awesome.

Anika: I like this name a lot! It might be one of the few names here where the number of people with that name is within the same three orders of magnitude of the value of the number (238 144).

Joe Pelling: If my last name was Pelling, I would name my child this. This number has the value of $203^{431,112,937} \# \sim \# \# \# \# \# \# \# \sim \# \# \# \# \# \# \# > \#^{\sim} \#^2$ 03,431,112,937.

A TIER: IF SOMEONE WAS NAMED THIS I WOULD BELIEVE THEIR PARENTS WERE TRYING TO GIVE THEIR CHILD A "UNIQUE NAME," BUT THEY WERE ULTIMATELY PURE OF HEART

Decker: Equivalent to 10 tetrated to 10, I could reasonably see someone named this. It's also a German surname.

Fusilli: An Italian surname, and most commonly known as a pasta shape, this number is 7 tetrated to 11.

Paduma: 10^{119} . In the Pali language, this word means "lotus."

B TIER: I COULD SEE A VIDEO GAME CHARACTER NAMED THIS, BUT NOT A REAL PERSON

Dulatri: This is the name of the protagonist in my upcoming fantasy trilogy.

Quintongulus: I could totally see an American football player being named this and then his younger brother is named Quintingulus.

Astuul: This name sounds pretty friendly!

C TIER: I COULD SEE SOMEONE HAVING THIS AS THEIR USERNAME ONLINE

Clarkkkksonplex: This is what an eight-year-old kid named Clarkson WANTS to be named.

Sprach Zarathustra: Originally a 1896 Richard Strauss poem, based off of previous works by the German philosopher Friedrich Nietzsche, this name would have lots of European history behind it.

The gathering: This seems like a reasonable username, but not a reasonable child name.

D TIER

Botox: This number is "Duplon heptated to Cyanide."

Swifties-infused_Notaire: WHAT DOES THIS EVEN MEAN????

The ugly and awful Baltic national anthems' values for children under five: According to the Googology Wiki, the full name of this number is "The Baltic national anthems' values for children under the age of five are downright awful, not only since they are considered to be unfair, immoral, and disrespectful for youngest children in general, they also violate the social media platforms' terms of use that would likely result in an imprisonment. Legal guardians should definitely advocate preventing the abusive and profane reaction to such solemn national anthems or otherwise lead to an intensified debate regarding the regional symbols' strict regulation."

F TIER

Bighol: Also known as Dooducol, this number is equivalent to 10 tetrated to 200.

If I named my child **Terrible-terrible-terrible-terrible-teth rathoth-ex-terrible tethrathoth**, I'm not sure if they could ever forgive me.

For sale: Baby shoes, never worn: Wow! Those baby shoes were super "affordable." (No one should name their child after an attribute relating to how much they cost).

writing123

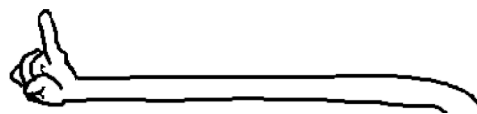
All numbers in this article are from the Googology Wiki: <https://googology.fandom.com/wiki/>

YOU SHOULD ALL WATCH FORGOTTEN ISLAND

YURI POTENTIAL ??? POSSIBLY???

HI!!!!!! I'm taking a break from my normal rants and bitching to say that you should all watch Forgotten Island in theatres! There's a bunch of themes surrounding Filipino mythology and culture and it would be really cool to spread awareness about it!!! There's a bunch of Filipino celebs voice acting and singing like Liza Soberano and H.E.R. playing the two main leads as well as Lea Solonga, Manny Jacinto, Jo Koy and more!!!

If *that* doesn't convince you, I am just going to say that there *may* be yuri potential between the two leads. So GO WATCH FORGOTTEN ISLAND!!!



floweryyy_

DESTINY 2 IS BACK WE ARE SO BACK

OKAY SO BUNGIE DECIDED TO FUCK WITH ME LITERALLY THE DAY AFTER I WROTE MY LAST ARTICLE

Hello, it's me again, *Waffle*, as I am sure you all remember me from the last issue. I have come here in this issue to say that Bungie has screwed me, and us, and everyone; collectively. Now, I say this as what is quite possibly one of the best things that has ever happened to me, and the *Destiny* community by extension. I say they have screwed me, but that is realistically only within the frame of this article and the one before it. For how they have screwed the rest of the community... I will withhold my comments further.

With my nigh meaningless discourse out of the way, here is the true message of this article:

BUNGIE HAS BROUGHT DESTINY 2 BACK THIS IS NOT A DRILL (it's old news) THIS IS REAL (until they say its not) WE ARE GETTING BACK ALL THE DLCs AND NEW DLCs AND NEW GAMES (unless we aren't).

Okay, so what does this actually mean? Well, basically, back in 2020, with the release of a new DLC (downloadable content; extra digital content that can be bought or added on top of a base game; usually paid) called *Beyond Light*, came the great "vaulting" of content made before it (with the exception of *Shadowkeep*, a rather lacking DLC that I would find trouble calling a DLC if it didn't have a raid). The "vaulting" was basically Bungie deciding that, to save file space, and to prevent the game from becoming too cluttered, they would remove most of the content — activities, maps, weapons, etc. from the game to corroborate. You may already be starting to think of a few issues with this choice:

- People paid for that content, so they lost the content and the money they used to pay for it
- People genuinely enjoyed that content, and would replay it; to take it from people's hands without asking or voting on it stripped them of their choice in the matter
- They removed the Red War campaign (an impeccable tutorial and start to the series) and replaced it with some bum ass tutorial mission which was unbelievably garbage, cluttered, and did a worse job of teaching a player the game than throwing them into a mission and explaining things along the way (**WHICH IS HOW I TEACH NEW PLAYERS ANYWAY BECAUSE THEY REMOVED RED WAR**)
- The stuff they removed was most of the fun stuff in the game up to this point (in my opinion), and left the game feeling very barren
 - They removed most of the explorable areas, secret missions regarding these areas, strikes (quick 10-minute loot and eliminate missions), raids (longer, 6-person activities wherein cooperation is a necessity among many different, complex mechanics), crucible maps (maps for the Player vs. Player gamemode), and other

important things which I barely remember by this point

- And a plethora of other complaints people had about it

Damn I have a lot of complaints about 2020 Destiny

Anyways! That era is over now. We've survived through it all since then, really, like since *Beyond Light*, we've had I think 2 good DLCs out of... like 5 or 6... which is insane cuz each DLC cost like 60–80 at the minimum usually.

- Although it's important to remember that in between each DLC was like 2-4 "seasons" (smaller content packs + a battle pass), which EACH had their own story, meaning that people had some content to tide themselves over until the next DLC (what a money grabbing scheme)
- Is it time to talk about Pete Parsons? Can I even get political on **mathNEWS**? Is it political to say you hate a guy because he sucks?
- And don't even get me started on The Edge of Fate, that campaign was literally an almost ten-hour-long chore PER CHARACTER (you can make up to three characters, one of each "class," and have to repeat campaigns/missions/leveling up on each; this is a game for those who have extra time to spend)
 - I hate The Edge of Fate, please redirect all hate to that campaign
 - Waste of everyone's time for some garbage loot and a raid that no one even plays

So basically, what Bungie did on... September 17th as according to their blog (or 21st from their YouTube video), is they said they're working on **BRINGING BACK EVERYTHING THEY REMOVED**.

It is important to take this with a grain of salt. My dear readers, get not your hopes up yet. Bungie is notorious for being mean and taking things away from us >:(

But should they pull through on their words? Well, not only do we get everything back, getting to play all the activities we once loved, but they also promised new expansions (DLCs) and NEW GAMES; truly, what a wondrous time.

With that, I have updated the community once again, and I must disappear for another two weeks. You'll probably be able to find me ranting about *Destiny 2* again next time... or ULTRAKILL if I've moved on (you can really tell a lot about a person depending on what games they play, huh?).

Goodnight out there **mathNEWS** readers, and remember, we make our own fates.

Waffle

YOU SEE HOW THIS LOOKS, RIGHT?

ON PRIMETIME, MEDIA LITERACY, NUANCE, AND THE BLURRING OF THE LINES BETWEEN ANTIZIONISM AND ANTISEMITISM

Spoilers Ahead! I think amongst the chaos of “Child Left Behind” discourse and declining media literacy rates, the film *Primetime*, released this year, is possibly the most notable litmus test of this decade. While it is an incredible film if I do say so myself (I do highly recommend it), the discourse surrounding it I believe brings up an unfortunate conversation about how horribly media literacy rates have crumbled, as well as the worrying increase of antisemitic bigots hiding underneath the guise of antizionism.

Primetime, directed by Lance Oppenheim and written by Ajon Singh based on the 2007 *Esquire* article by Luke Dittrich “Tonight on *Dateline* This Man Will Die,” tells a dramatized story of *To Catch a Predator* and its host, Chris Hansen. Hansen, portrayed by Robert Pattinson, navigates the pressure put on him to produce better and better programming to compete with other primetime television shows as *TCAP* is moved into a primetime television slot, culminating in the botched chase and subsequent suicide of assistant district attorney Bill Conrardt. In this Icarus-like story, we see Hansen follow this obsession and pressure to produce as it hurts the lives of himself and those around him.

In my personal opinion, this film was incredible. Pattinson’s acting was amazing, and the atmosphere created by its shot composition, editing, and dreamy soundtrack produced this eerie, almost claustrophobic feeling as I watched. The plot felt unbelievably gripping throughout and it was the first film I’ve ever seen where I sat through all of the credits just processing the previous 100 minutes.

While it performed well critically, it is not without its controversies. A lot of discourse of the movie online accuses the film of framing Hansen as a villain, and defending pedophilia. Oppenheim’s Jewish identity is often brought up as the film gets called Zionist propaganda. Hansen himself was also critical of the film, calling it “bizarre” and “in-and-out of reality.”

Hansen was not consulted during the filming of *Primetime*, and only learned about it in late 2025. Before a private screening of the film before its release, Hansen was asked to sign an NDA from *Primetime*’s production company A24. Hansen did not sign it, saying it would “take away his name, image, and brand,” though a source close to A24 said that the NDA was a standard one meant to prevent spoilers and protect intellectual property. Hansen then purchased pre-show ads before every showing of *Primetime* promoting his streaming service TruBlu, and considered ending the disclaimer with a message on how the film is a “fantasy version” of real events but was advised not to include the message to prevent legal action being taken against him. I feel that it is this situation that the negative discourse surrounding the film sprouts from.

The accusations of the film vilifying Hansen find themselves in the discourse of the media literacy crisis. It was from those

accusations that I was motivated to really see it for myself to make my opinions, and it is in my viewing of the film that I can state that it, in no way, is painting Hansen as a villain outright. To me, this film explores the effects that the pressure of producing increasingly better content through this kind of televised journalism causes changes in someone’s character and how it leads to a loss in humanity, with Hansen finding himself chasing this “white whale” for his history-making big break that puts *TCAP* at the top of primetime television. I believe that the bulk of the criticism comes from people who haven’t even seen the film. Chances are they read a description, learned that it had some criticism of Hansen, and made up their own conclusions. Some people who made this accusatory conclusion who also watched the film did not at all even take a surface-level look at the film. *Primetime* leaves quite a bit up to the audience’s interpretation of Hansen’s character. In my interpretation, his final line in the film, “what would have happened if I wasn’t here?” invites the audience to consider if Hansen and *TCAP* had helped with dealing with predators.

Ultimately, *TCAP* didn’t achieve the kind of success in sending pedophiles away that they presented themselves to have done. Of the 300 or so predators from the show, about 200 were indicted and 120 convicted, resulting in a 40% conviction rate. The low conviction rate was largely due to mismanagement of evidence by the show and concerns of entrapment. While all of these predators were shown on national television, ultimately it wouldn’t do much. There were 300 predators on this show, of which 180 were let free. Would you recognize any of them if you walked by them in the streets? Probably not.

Oppenheim’s Jewish identity is often brought up by online critics of the film. *Primetime* gets called Zionist propaganda and Oppenheim’s identity is used to reinforce the idea of the film defending pedophilia. It is in those kinds of bigoted statements that we find how antisemitism has bled itself into antizionism. As the antizionism movement gains momentum with Israel’s genocide being harder and harder to ignore, antisemitic bigots have taken to the opportunity to hide under the guise of antizionism to promote antisemitism. It is in this situation that we find comments just like those against Oppenheim using someone’s Jewish identity as a reason behind a bad situation or calling any bad thing Jewish.

The media literacy crisis is unbelievably dangerous. In an increasingly polarized political environment, declining media literacy combined with the increase of reliance on LLMs to answer simple questions bring about worsening education, which is capitalized on by those on the right to indoctrinate people into bigoted ideology, against progressive policies and act against their own interests. It is in *Primetime* that we get one of the clearest windows in media of just how bad it’s gotten.

GO PLAY THESE JAM GAMES [PART 1]

A FEW REVIEWS OF THE GAMES FROM THE GAME JAM THAT I'VE PLAYED SO FAR.

Last weekend, UWGDC ran the Fall 2026 Game Jam, the biggest game jam in UWaterloo history. Teams had 72 hours to make a game on the theme “Drift”, and they made a WHOLE lot of them (about 60 of them from about 200 people). They’re all free, most can be played in your browser, and most take under 15 minutes. I’ve had the pleasure of playing through about half of them now so here’s all of them so far! More to come next issue!

Airlock: Resource management on a spaceship, like *60 Seconds!* in space. Has a story I actually got invested in.

<https://un-z.itch.io/airlock>

ASDronaut: Momentum puzzle game where you can only rotate and thrust. Fun mechanic overall. Watch out for the red herring O2 tank in level 3.

<https://keenankompon.itch.io/asdronaut>

Astro-not!: Keep your space station from falling apart with Among Us-style tasks. Fun minigames and you understand the game right away.

<https://profound-crt.itch.io/astro-not>

Brewed: Office job simulator. Do your tasks, chug coffee to stay awake, and sneak around your coworkers so they don’t catch you while you’re away from your desk. Amazing concept with a good amount of variety and content.

<https://eddox23.itch.io/brewed>

Build Bad Ships: Ship building puzzle game with a huge amount of content. I really hope more people give it a try. Made by a fellow **mathNEWS** writer that I met during **prodNIGHT!**

<https://snoozingnewt.itch.io/build-bad-ships>

Call Of The Void: Match signals for your eldritch clients at a call center. Creepy, with a fun storyline and really cool music.

<https://radace.itch.io/call-of-the-void>

CatCrash: A cat in a shopping cart stealing fish. Very drifty, and the controls feel great.

<https://mitchk128.itch.io/catcrash>

Catch My Drift: A “bullet” hell where a surfer dude woos women on the beach by dodging bad lines and collecting good ones. Great hook and an even better payoff.

<https://zeraoraking.itch.io/catch-my-drift>

Contraband Commander: Nothing to Declare: Smuggle packages between planets and don’t let the cops blow up your ship. If you like GTA, play this game.

<https://jhs13.itch.io/contraband-commander>

Cosmic Wipeout: Another *60 Seconds!* style survival game in space.

<https://cyancynl.itch.io/cosmic-wipeout>

Counting Ducks: You count ducks. It’s in the name. Exactly what it set out to be. We all know who made this one!

<https://mathgeek656.itch.io/counting-ducks>

Crossing: Wander around town and dodge cars. Cute art and nice music.

<https://supersonic1224.itch.io/crossing>

Day Dreaming: Take notes in lecture while daydream minigames distract you, then ace the test. WarioWare meets your 8:30 lecture. Great concept and execution.

<https://no-whone.itch.io/day-dreaming>

Delta Space: An Among Us-looking ship meets Undertale-style fights. Intriguing story, and you can finish it in one sitting.

<https://remixd.itch.io/delta-space>

Drift: Puzzle game where you switch between two dimensions. A promising start, and I’d love to see it fleshed out.

<https://vs-studio-hub.itch.io/draft>

Drift Apart (or Don’t): Two players tethered together in space, grabbing O2 and dodging asteroids. The opening cutscene is so cute. Make sure to grab a friend for this one.

<https://lptoggled.itch.io/drift-away-or-dont>

Drifted Apart: You’re a water strider gathering your family after a storm. A really creative take on the theme, and very cute.

<https://rice-ball-eater.itch.io/drifted-apart>

Driftwood: You’re a stick floating back up a river through time. Had me laughing out loud.

<https://pete-d.itch.io/driftwood>

Dune Drifter: Endless 3D car shooter. Outrun a dust storm and gun down orcs with a machine gun and shotgun. The sense of speed is incredible. Knocked it out of the park with this one.

<https://djfox58.itch.io/dune-drifter>

Fallen Sirius: Rhythm game where your inputs also steer you through falling meteors. Lovely music and an intriguing story.

<https://jesse-njx.itch.io/fallen-sirius>

FIN: Submarine horror in the vein of *Iron Lung*. The fish are infected and you burn them for fuel. Best opening cutscene of the jam, and the jump scares got me.

<https://sequoiajh.itch.io/fn>

Floating Adrift: Sail while fending off sea monsters. Features a fishing minigame. Great work from a very very young team.

<https://dalenmarill.itch.io/floating-adrift>

GOOSE DRIFT: You're a goose, and you race. Fun theming, the drifting feels right, and the animations are charming.

<https://vedpurohit.itch.io/goose-drift>

Goose Simulator: Tour Ontario's universities, terrorizing students to win back your throne. Hilarious.

<https://potatogonehaywire.itch.io/goose-simulator>

HYPNAGOGIA: FNAF-style survival horror in a research base during a blizzard. Beautiful art, and it's scary.

<https://rumiiii-rumiiii.itch.io/hypnagogia>

Jerry in Space: Drag Jerry around his space station to keep the last human alive. Made me laugh. A perfect amount of silly.

<https://aryan-webz.itch.io/jerry-in-space>

John Drift: Collect scrap, trade with alien vendors and fix your ship before it explodes. Fantastic art, and very funny.

<https://itskirby69.itch.io/john-drift>

JoyStuck: A racing game where your joystick has stick drift and you can toss the controller to fix it. Smart, funny mechanic, and Remy the rat girl is super cute. It even has controller support!

<https://annk1.itch.io/joystuck>

Liar's Stroke: Cheat your way through mini golf, or get caught trying. The art is so pretty, the characters are cute, and the dialogue is funny. The golfing is fun too!

<https://gniminion.itch.io/liars-stroke>

See you next issue for my review of the rest of the games. Or better yet, GO PLAY THEM YOURSELVES!!! Here's the jam link if you're interested:

<https://itch.io/jam/university-of-waterloo-fall-2026-game-jam/entries>

Lichajen

TEN THINGS I LOVE ABOUT UNIVERSITY OF WATERLOO FACULTY OF MATH (AS THE RESIDENT ARTS STUDENT)

FIRST OF ALL I WANNA START BY SAYING JUST BECAUSE I AM IN ARTS DOES NOT MEAN I AM IN FINE ARTS! OKAY!

Now that we have gotten that out of the way, I want to share ten things I love about the Faculty of Math here at UWaterloo. I want to put you in the shoes of an Arts student and guide you through the wonders of the Faculty of Math <3

1. Obviously **mathNEWS**, I love the randomness yet also sometimes deeply researched articles that are in **mathNEWS**
2. Pinky
3. MATH 135 (don't hold me to this my math friend made me write this)
4. MC—I love you so dearly MC I am always here, from CnD to MC Comfy, from Room 4041 to the 5th floor, from the piano to the poster of women in

math (#SUPPORTWOMEN), MC is beautiful and amazing, peak study spot!!!!!!

5. **mathNEWS** (I have to larp)
6. All of my dearest math friends, I love hearing them talk math to me
7. The pink tie ceremony at Math orientation
8. MathSoc office (SPECIFICALLY THE "I ♥-1 MATH" SHIRT YEAH I HAVE IT)
9. Smallmouth bass
10. Graph theory

I might not be able to do math but the Faculty of Math can never get rid of me!!!!!!!!!!!!!! I will solve the complex analysis of Pythagorean theorem and Kolmogorov's Forward Equations and how these theorems connect to combinatorics and matroid theory.

papasmurf

THE MOON & THE SUN

A (FAN-WRITTEN) PROLOGUE TO THE GAME YURI IN SPACE

The hundredth gala you go to is the exact same as the first. "Anything to keep the sponsors happy," Aurora concedes. She mills about the vast floor, floating to and from a mix of longtime and potential team benefactors.

"Mr. Arroyos, it's a pleasure. I hope business has been good?" She does her best to make pleasantries with yet another team shareholder, fighting the boredom beginning to overcome her as she listens patiently to talk of stocks and bonds and business ventures of varying lucrativeness.

The culture in shuttle racing had shifted over the past handful of years. The eight planets now nurtured personalities, not racers. They could flash a pearl white smile for the cameras, but they couldn't hold a candle to Aurora in the cockpit. Her bold personality and even bolder racing had placed her at the top of earth's racers only 2 short years into her career, becoming the indisputable champion of the entire Solar Grand Prix not long afterwards. 6 years into that same career without a proper rival had given her a great yearning for a real challenge. She could always race against her own holos, but there's something about locking eyes with a real pilot mid race that gets her heart racing. That's something a hologram simply can't replicate.

"Ah, Ms. Rowland, I wanted to thank you again for your continued support of the team this season. How are the kids doing?"

Aurora resented her role but played it all the same. She wasn't stupid enough to throw away an exemplary career over some silly principles. Still, the motions had been draining her more and more recently. Tomorrow's race would be no exception. Mars had not produced any real racing talent since she had joined the circuit, and she knew her opponent tomorrow would be nothing new.

"Asteroid mining, what a novel concept!" She feigns interest in yet another conversation, this time with an upstart entrepreneur hoping to squeeze her bank account for the funding he needs to get off the ground. He's saying something much too droll for her to care when her wandering eyes catch sight of a newly arrived guest. She stands out from the crowd by the way she gawks at the size of the room she just entered. The gala was being held in a vast rotunda, its domed ceiling a hundred feet up made entirely of glass, revealing the dazzling constellations visible from Earth's surface.

That's not why Aurora picked her out of a crowd of hundreds of milling guests however. No, Aurora found herself unable to tear her gaze away from her face. Even from a distance she could make out her sharp cheekbones and fierce eyes. Her black hair was done up behind her head with loose strands dyed red spilling out onto her shoulders. She stares intently as the sharp faced girl busies over her dress, adjusting its straps and smoothing it out. It was a simple outfit, but it accentuated

a lean shape, reinforced by the slight tone of muscle on her arms.

"Now this is an interesting one," Aurora thought. Doing her best to politely excuse herself from the conversation, she makes her way through the crowd towards her newfound interest. By now the woman had moved towards the outdoor terrace. She messes with her dress again and tries her best to blend in, seemingly searching for the nearest corner to disappear into. Aurora stays focused on her, determined not to let that happen.

She is leaning on the chiselled stone railing of the terrace, staring out at the lapping waves of Port Azur, when Aurora finally corners her in the quiet pocket she had positioned herself in.

The mystery girl looks up at Aurora confused before a flash of recognition crosses her face. She tries her best to play it cool, stammering out, "A-Aurora, wow! I had no idea you would be here. I love watching you race. I'm a huge fa-." At a quirk of her lips, she blushes furiously, tripping over her words, "never mind that. Do you... do you need something?"

"Oh," she muses, "this is going to be more fun than I thought."

"Yes, I was hoping you could grab me another drink please," she requests, flippantly handing her glass to the woman.

She grabs it reflexively but stops once her brain processes the request. Annoyance flashes across her features. Annoyance looks good on her.

"I'm not your caterer, hold your own glass," she scowls. That too, Aurora notes, does all the right things to the lines of her face. She likes a girl with a temper.

"My mistake darling, do forgive me," Aurora smiles back innocently with just a hint of mischief, "What brings you to the gala then? You certainly don't look like a regular."

She shuffles slightly and, still holding the glass, adjusts her dress for the third time since she got here two minutes ago. It's awkward in a cute way. "Well, until a few days ago I was a part-time mechanic on the Martian Solar Prix team. You might've heard that our old reserve pilot retired. It just so happened that I was the best fit for his replacement. The team gave me tickets to the gala as a congratulations, but frankly this kind of thing isn't exactly my speed."

Aurora recognizes her then, Chryse, the one outlier in a crop of painfully shoddy Martian pilots. She kept tabs on all the promising upstarts across the Solar System, but she stood out even from them for the careless abandon she maneuvered with in every race. Aurora's was a more reserved style, aiming to let her opponents tire themselves out before she shot ahead

of them just before the finish line. It didn't hurt that a photo finish made for excellent television.

"Oh, well you have my congratulations! With any luck I'll be seeing that scowl again sometime soon from my mirror as I leave you in the dust."

Chryse glowers at her once again, exactly the reaction she was hoping for. Feigning sizing up her competition, Aurora takes her in up close. Drinking in every detail of her face and frame. She had only ever seen pictures of her in a jumpsuit with messy black and red hair scattered across her face. She couldn't figure out which version she preferred.

Amused, she notices the sharp-eyed pilot doing the same, albeit a tad more sheepishly. Aurora knew she was a sight to take in. Her long silver hair billowed out down her back and was styled to curl ever so slightly around her hips. Her dress was pure white, falling all the way down to the floor. Made by the finest tailor on Neptune, it paired perfectly with her tall stature, giving her a profile that stunned even against the sea of well-tailored individuals present. And take her in she did, with a failed attempt to restrain herself made obvious by the guilty look she was wearing when their eyes met.

Aurora gives her a thin smirk and, panicked, she finds herself looking back out at the waves, doing her best not to embarrass herself any further. Aurora watches her for a moment before joining her at the railing. She looks over at her to tease her once again, but finds Chryse transfixed by the push and pull of the waves against the rocks far below.

"The sea is really something, huh." Her voice sounds far away. "They have water on Mars obviously, terraforming has come a long way, but nothing like this." Aurora can hear the crashing of saltwater onto the cliffside below, but the only thing she sees are the thick curls that have fallen loose from Chryse's pinned back hair dancing playfully in front of her eyes.

When Chryse finally looks back at Aurora, she is smiling, still in her own world. "I could get lost in this view."

She is captivated then, basking in her warm glow. She nods along to Chryse's talk of her homeworld, intent on allowing her to speak as long as she wishes. Hers was a light that could shine on a thousand galaxies. She couldn't help but be pulled closer and closer into the newfound softness in her red eyes and thin lips.

Crash! A glass shatters somewhere inside, slingshotting them both back to reality. Chryse, realizing how long she'd been

talking, apologizes, pulling away slightly, "Sorry, I'm sure you know all that. I bet you've seen more of Mars than I have."

Aurora, slightly flustered, manages to pull her gaze away. This time she's the one to look out at the waves. She manages to regain her composure, aside from the slight tinge of warmth at the corners of her face.

"Don't worry about it. You painted a lovely picture for me," she replies, turning back from the railing to meet her gaze.

"It's unfortunate you're only a reserve pilot," she is more serious now, "I don't know too much about how the Martian team operates, but I do know they aren't generous with their expenditures. I doubt you'll be invited to many more of these. Your chances to really prove yourself on reserve are slim. By the time you've made a name for yourself I'll be long gone. It's a shame, I was just thinking that I could get used to seeing your pretty face around these parties."

Chryse, suddenly shy, looks away, caught off guard by the sudden compliment.

"I do hope to see you again," Aurora remarks, "I enjoyed talking with you." As she turns to leave, her pilot makes one final promise.

"I'll just have to win then."

Aurora smiles then, a real smile. It disarms Chryse, leaving her stunned as heat flares to her face. "I'll see you on the track then, sweetheart."

When Chryse finally gets ahold of herself, Aurora is already heading back to the gala floor. She's nearly through the glass doors leading back inside when Chryse shouts, "Aren't you gonna take your glass?" with an ever-so-slight air of desperation.

"You hold onto it."

With one last smile, Aurora turns away, leaving Chryse staring at the deep red stain of her lipstick on the glass's rim.

As Aurora returns to the monotony of placid conversation, her heart flutters for a beat. Secretly, she hopes Chryse will stay true to her words.

Check out the game here: <https://lichajen.itch.io/yuri-in-space>

juniper <3

This blackBOX was here all along, I swear.

A mathNEWS EDITOR WITH NOTHING TO HIDE

AKITA NERU IS NOT EVEN A REAL VOCALOID — STOP CALLING HER “THE YELLOW ONE”

THIS IS KAGAMINE ERASURE.

BACKGROUND:

In October 2007, a Japanese TV station aired a program on Hatsune Miku, which described her users very negatively. Three days later there was a two-day period where nobody could search for pictures of Miku online on major search engines, like Yahoo! and Google Images, and Hatsune Miku's Japanese Wikipedia page was deleted. Online (especially on an online messaging board website called 2channel), a lot of users perpetuated the conspiracy theory that a large advertising agency had run an “Anti-Miku negative campaign.” Some users on 2channel were very active in denying these comments. Those users were well known for ending many of their comments on this subject with “飽きた、寝る” (“Akita, Neru”), which means “Got bored, going to bed.” These users were viewed very negatively by the broader fan base on 2channel, and were even referred to as “puppets of the agency;” their jokes about these “puppets” became the character known as “Akita Neru.” (The Japanese spelling of her name was changed to 亜北ネル.)

It was later revealed that the search engine problem was a technical issue, and the removal of the Wikipedia page was due to a copyright violation, with no connections to the advertising agency.

On November 1st, 2007, the first illustration of her was published online by Smith Hioka. On April 1st, 2008, Akita Neru became an official Derivative of Hatsune Miku. (This was the same April Fools' as when Kasane Teto was announced as a prank.) Akita Neru does not have a Vocaloid voice bank. Her fan base can't even agree on which voice bank to use for her. Some make her sound like a masculine sounding girl, others use a pitched up version of Hatsune Miku's default voice bank, and some people use one of Kagamine Rin's voice banks for her. She is not “The Yellow Vocaloid.”

THE RANT:

Despite not being an actual Vocaloid, and not even having a voice bank, people who are either very new to the fandom or only have very surface-level knowledge of it refer to her as “the yellow one.” Neru is not “the yellow one.” In fact, there are already two “yellow ones,” Kagamine Rin and Kagamine Len. Rin and Len are actual Vocaloids. They have their own voice banks. Although they were released after Neru was created (but before she became an official derivative) on December 27th, 2007, they are real.

Although it is rare, I have also heard people refer to Kasane Teto, who I mentioned above, as “The Red Vocaloid.” Kasane Teto is not a Vocaloid. As I said above, she was an April Fools' day prank. However, unlike Neru, Teto does have her own voice bank. She isn't a Vocaloid, but she is an Utauloid (Utau is a free version of the Vocaloid software where people can create

their own voice banks and Vocaloids. This voice bank is a fan-made one) and she also has a SynthV voice bank. Although she does have some very popular songs, especially with newer fans, she still isn't a Vocaloid and shouldn't be referred to as “The Red Vocaloid.”

WHY I CARE:

Newer Vocaloid fans seem to not know about a lot of the Vocaloids besides Hatsune Miku. They don't look too far into any of the other Vocaloids, and tend to spread around misinformation that leads newer fans to think things like “Akita Neru is a Vocaloid.” I've met a lot of newer fans who only know the Cryptonoids (MEIKO, KAITO, Hatsune Miku, Kagamine Rin, Kagamine Len, and Megurine Luka, all of which are produced by Crypton Future Media), and even knowing all of them is a bit rare. The only Vocaloids outside of the Cryptonoids that newer fans seem to know are VFlower and Gumi (Megpoid), which both sound great, but there are so many others. My personal favourite is Gackpoid (also known as Gackpo, or Camui Gackpo). None of the newer fans ever know who Gackpoid is, even though the older fans absolutely do because he used to be just as popular as the Cryptonoids. I'd really like it if the newer fans tried to branch out a bit, there's so much good music out there to listen to.

MUSIC SUGGESTIONS:

Because I wrote a whole paragraph about how newer Vocaloid fans don't seem to know any of the other Vocaloids or older songs, I figured I would end this by suggesting some good (in my opinion at least) songs. In no particular order:

1. *Dancing Samurai* (Mathru ft. Gackpoid) (Mathru is my favourite producer)
2. *Episode 0.* (Mathru ft. Gackpoid) (this was written for a song contest for Gackpoid's voice provider. His cover is good, but I like the original too)
3. *Fate:Rebirth* (SCL Project ft. VanaN'Ice (Gackpoid, KAITO, Kagamine Len))
4. *Go Google It* (AhmingP ft. Megurine Luka and Gackpoid)
5. *The Lunacy of Duke Venomania* (Mothy ft. Gackpoid, KAITO, Gumi, Hatsune Miku, Megurine Luka, MEIKO)
6. *Heat Abnormal* (Iyowa ft. Adachi Rei)
7. *Butterfly On Your Right Shoulder* (noripy ft. Kagamine Len (the original used Rin, and you can hear her in the backing vocals, but I like this version better))
8. *Magnet* (minato ft. Hatsune Miku and Megurine Luka) (LETS GO LESBIANS!!!)
9. *Mukuro Attack!!* (Utsu-P ft. Hatsune Miku)
10. *Humansongs* (Porter Robinson ft. Po-Uta)

MY OFFICIAL PORPOSITION OF A PHILOSOPHY PROBLEM

TO BE ANSWERED BY THE PHILOSOPHERS

Welcome to my official poropoison of a philosophy world that I believe will take the world of deep thinkers by storm. This will probably be a problem that is cited for centuries to come such as the trolley problem or the problem my positionpropositionopposeporpoiseposition is based on.

As a preface, recall the infamous problem of the ship of Theseus. Theseus was a guy in ancient Greece or something who may or may not exist or whatever (I think) and he basically said that if you have a boat and the boat wears down over time and you replace the worn down parts until there are no original boat parts left. The question is are we left with the same boat?

My pneumonoultramicroscopicsilicovolcanoconiosisposition is an extension of this, keeping the original premise of replacement but introducing a new object in question. Here is the official problem, titled the ship of Geeseus:

Given a Canada goose (preferably one seen on the University of Waterloo campus), define its elementary part to be the smallest part of it such that if you remove one elementary part and replace it with an identical elementary part the goose probably won't notice. The elementary part in question can be whatever tiny thing you want (cell, molecule, atom, quark, etc.) as long as the goose probably doesn't notice your interference. I will use an atom so I don't need to rewrite elementary part over and over and over again because elementary part is textually longer than atom.

Remove every atom of the goose and replace it with an identical atom sequentially. When you're done (after some really small amount of time since this should only take you a couple seconds) the goose has successfully been discombobulated atom by atom and probably didn't even notice your antics.

Here is the question. Is it still the same goose? Clearly it has been reconstructed piece by piece but no piece was a part of the original. This is nothing new. A goose is not like a ship and it probably makes new cells and stuff so it's probably not the same goose. What is new is what follows.

Further, are you mentally still the same person? I stated that this should have been pretty quick, but some people have skill issues and replacing some hundreds of septillions of atoms might take a while. We grow and change every now and then so if that takes you a while you're probably a bit different. Your morals probably change too. Well, there's an issue with that I guess.

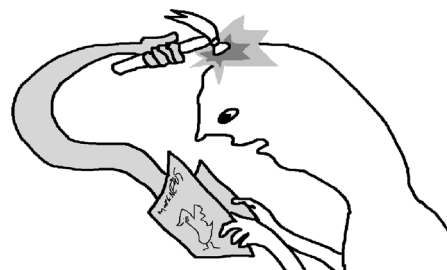
The issue is this: Do you even have any morals? What the fuck is your problem? You literally just disassembled a goose atom by atom and have no remorse? You didn't even have enough respect for the goose to tell it you were doing anything at

all (it would have probably noticed you if you did). You are a disgrace to all that makes this world beautiful. I am calling campus security on you. Leave now or be arrested and tried for malicious goose behaviour.

Sorry for crashing out a bit there. I hope you enjoyed reading my philosophical perhappenstappenstancechancechanceperchancechanceposition titled the ship of Geeseus. Expect your great-great-...-great-grandchildren to be debating this on the daily in philosophy class. If any of this exists by then.

Perhappenstappneumonoultramicroscopicsilicovolcanoconiosisinstancechancechancechanceperchancechancechanceporoisepoissonpoisonpositionchance. □

fish



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UW'S BASTION OF ERUDITE THOUGHT SINCE 1973

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MIDTERMS ARE EASY

Hello first years! Now that you are in the thick of school and have your first midterms coming up, I know how scary it can be. Doing your first midterms, especially for classes like MATH 135, MATH 137, and CS 115/135, is scary. You may hear some upper years make it sound rough. You may hear phrases such as “touched” or “I lost my dignity in there” but I want to let you know not to listen to them. These students just had poor luck, and aren’t as cracked as you. Trust me, just stay in the

course, skim through your notes, go to one or two lectures a month, maybe do a practice question if you are really worried. But trust me, you will leave the midterm feeling on top of the world. It’s Waterloo after all, you got in, you’re a truly gifted individual who deserves to be here.

MrMidtermsDestroyer

TOP 10 WORST MIDTERMS

FROM A SECOND YEAR

You ever walk out of a midterm and feel like the best way to describe it is that you were the victim of a crime? Well, Waterloo students know that feeling all too well. Every midterm is a battle to the death. Many don’t make it out alive, but those who do don’t leave without scars. Today we are honoring these students’ trauma as you read about the worst midterms coming your way. Prepare yourself, or else you will be the next one being robbed of their dignity (and a passing grade).

10. STAT 230

Honestly, in the grand scheme of things, this midterm isn’t the worst. The main thing is the difficulty is inconsistent from profs, with some (like mine) who are merciful, while others may surprise you and you may walk out of the exam like a scared puppy.

9. CS 135

First of the CS courses. I am lucky that I am free of CS but it is truly a horrible experience. Do not let others tell you otherwise. This midterm, and CS 136 as well, are the definitions of walking out feeling like you aced it, followed by getting a 65. There are ones that will wreck your self image much more, but this one hurts you by making you think it went extremely well.

8. MATH 235 MIDTERM 2

After this midterm I saw several people do the Spongebob in Cafe meme (If you don’t know what that is, legit just search Spongebob in Cafe).

7. MATH 237

I remember the atmosphere, everything seemed fine leading up to it. Until the booklet was opened and I saw all the long answers, maximum difficulty. Like bro what did I do to you. I swear I did not sleep with anyone’s partner or kill their puppy.

6. MATH 138

This midterm is the type that you will walk into confidently. It’s not 1A anymore, I know how to study better, I am smart, I spent my whole reading week studying. But if you look at the practice midterms, several have the final questions with a little note along the lines of “was made into a bonus question after the fact”. I will let you infer the rest.

5. MATH 135

My first midterm. I remember walking out feeling semi-alright, I knew I didn’t do great but I thought I did okay. I did not do okay, with others getting a similar fate. It was my first real math exam. This is war, fun time is over, you gotta pull up your socks, sharpen that pencil, and prepare for war, or this midterm will haunt you for years to come.

4. CS 136

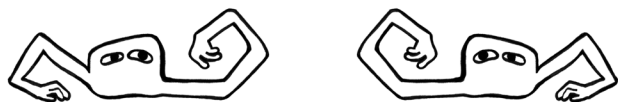
CS 135 but worse. I think that is the best way to describe it. DO NOT, and I repeat, DO NOT take this class if you don’t need it. The midterm feels easy walking out but it decks you even harder than the 135 one. I may be slightly biased because of my hatred of CS, but this is what I’d say is the worse CS midterm.

3. MATH 137

I got punched in the nose here. Study your ass off on this. If you don’t get something, make sure to understand it. This is not a course to fuck around with. If you slack off on this midterm, you will be leaving with much more than a bruised ego.

2. ACTSCI 231 MIDTERM 1

A midterm has never kicked me quite like this one. If you were to think about it like a date, it gave me lots of flirty messages, made me feel wanted and cared for. Then when we got to the restaurant, they were on their phone the whole time, then hit me with their plate when the bill came. You could say I didn’t have the fondest memories of it. The class up until then was easy, then the dropkick happened.



1. STAT 231

I have not taken this course, but when I worked as officer staff during first year, I saw someone print out the entire textbook for the open book midterm. Now in case you do not know, “open book” in university means that if you do not know the material, you are cooked, nothing can save you. It is also the course that several students have put off until their 4th year in order to prevent it from hurting their GPA. This midterm is gonna slime you out, hell it’s gonna slime *me* out.



Are these classes doom and despair? Yes. Despite that, people did well on even the hardest ones. Even I did well on them. Midterms are just gonna kick your ass sometimes and that's life at Waterloo. You didn't come here because it was easy. If a midterm goes bad, use it as a growing lesson, failure is a part of life.

MrDestroyedByMidterms

I REALLY WANT MY BROTHER TO BE GAY

Idk about you, but I feel like he should like guys too.

Like, I can never imagine him falling in love with another woman, or touching a woman, or being with a woman. I can also not imagine him being a woman.

I want him to be gay because I feel like he would be happiest that way.

Facts about my brother:

1. He is a cool human
2. He is a great brother
3. He has never brought a woman into this house and I swear to god he never shall
4. He is terrible at fishing, but has great marksmanship
5. He has a friend who calls him cute nicknames when they work on cars and thus I ship it
 - a. Said friend has also met my mother and joined us for dinner, so he better be fucking gay or I'll turn him gay like the frogs

This is not an advertisement to find and date my brother.

Love must be natural (and/or confirm my headcanon).

Wait he might just be ace.

TotallyNotAPersonWhoShipsTheirOwnBrother
WithSpecificallyOneOtherMan

N KAOMOJIS I LIKE IN NO PARTICULAR ORDER

**INSHALLAH ALL OF THE SPECIAL CHARACTERS
MAKE IT IN**

1. ($\overset{\sim}{\cdot} _ \overset{\sim}{\cdot}$)
 - ouppy
2. ($\zeta \text{ } ^{\circ} _ \text{ } ^{\circ}$)
 - ‘nother ouppy
 - found him while trying to find the above
3. ($\times (\text{ } ^{\circ} \square \text{ } ^{\circ})$)
 - i like his laugh
4. ($(\text{ } _{\cup} \text{ })$)
 - i don’t really use this one but
 - yum by
5. (((o(* ∇ * o))))
 - classic. use him all the time. he’s just so キラキラ
6. (* $\smile$ *)
 - look at his eyelashes. so luscious. and so c:
7. (* $\geq \omega \leq$ *)
 - this one is like. a little pert. closing his eyes and shit because he’s so excited but also to possibly look away from what he’s done
8. ($\star _ \star$)
 - ($\star _ \star$)
9. $\Sigma(\cdot \square \cdot ;)$
 - ah!!! but very polite. very demure.
10. ($\circ \text{ } ^{\circ} \cup \text{ } ^{\circ} \circ$)
 - little hands waving in the air!!
11. (*'—`*)
 - like. politely flushed. mouth is flat line not because of lack of expression, no, it tells a whole story...
12. ($\circ > \cup < \circ$)
 - this one looks very similar to number 10, but this one is more self-satisfied, you know?

Dear Editors. I do NOT expect all of them to survive (unfortunately). I accept full responsibility and if trying to keep them in is too headache-inducing you can just replace the whole fucking thing with [EXPUNGED] as needed. Thankies a millie (' ▽ ' ♡). [Editor's note: THIS WAS EVIL TO TYPESET, WHYYY.]

planet b612

YOU HAVE FREE MONEY TO TRANSITION. USE IT WHILE YOU CAN.

TRANSITION TO LIVE OR YOU WILL DIE A MISERABLE DEATH

"Suppose you are given free money to transition." It sounds like a hypothetical, but if you're a student at the University of Waterloo, it's the truth. These benefits are available to you¹ for the duration of your degree, so if you're on the fence about surgery, make your decision quickly.

I was motivated to make this article after StudentCare rebranded into Alumo² and went from being a somewhat useable website to being vibe-coded and genuinely unnavigable. Much of the information contained in this article is now impossible to find.

Alumo² is a student health benefits provider in Canada that you have access to through the University of Waterloo. As a student (including part-time, full-time, domestic, and international students), you are automatically enrolled in the university's health plan. So as long as you haven't opted out of the university health plan, you will be covered.

Through Alumo,² you are insured by GreenShield³ with insurance benefits. This includes a certain amount of coverage for gender affirming procedures that are not covered by OHIP, and an extra portion for half your transportation and accommodation expenses. To find out the exact amount, read Alumo's page on Gender Affirmative Care.⁴ Under the university's health plan, all you need to do to access these benefits is to have a diagnosis for gender dysphoria or gender incongruence,⁵ which can be completed very quickly through a physician or nurse practitioner. This can be done at Health Services or elsewhere (it constitutes a questionnaire of maybe five questions).

HOW TO MAKE CLAIMS

If you're already covered by another plan, don't let this stop you from taking more money from the University. There are instructions on how to claim under two plans via coordinated benefits.⁶

Going forwards, keep all your receipts. I have them saved (*and backed up!*) as images. You will need them to make claims, and they're relevant for taxes.

Some students may experience a temporary coverage blackout during the processing period, but you are still covered. Keep your receipts, submit your claims after the blackout ends later this month.⁶

Additionally, you need to make the claims within twelve months of the procedure, so make sure that you're submitting your receipts as soon as possible to give them time for processing.⁴

There are several ways to make claims: using the website, email, or physical mail.⁶ I only have experience using the

GreenShield web portal, and I can say that it has worked for me, and involves the least paperwork out of the available options.

MAKING A GREENSHIELD ACCOUNT:

The link to step-by-step instructions provided on Alumo is broken, so here are instructions for your convenience:

1. Create an account on the GreenShield web portal³
2. **How are you accessing GreenShield:** *"Through an employer or organization"*
3. **Select an ID Type:** *"I have a Member ID"*
4. Enter your Plan Member ID and Date of Birth.

WHAT IS MY PLAN MEMBER ID?

Your ID for gender affirmative care is going to be:

GCU + student number + two-digit dependent code.

For yourself the dependent code is 00, for dependent spouse/children, see postscript.⁷

For example, if your student number is 12345678, your Member ID would be GCU12345678-00.

NEXT STEPS

If you need more help, visiting the insurance desk on-campus is highly recommended. They can help you set up an account, no questions asked. It's located in Health Services. There are signs that point to it, and the staff at the front desk are helpful.

And while this article serves to increase awareness of the benefits that the university offers, I have not exhaustively covered each case, and these benefits are subject to change.⁹ I would highly recommend reading up where you can (see the links in the footnotes, if they still function), and asking the insurance desk for advice.

For a pamphlet that summarizes the rest of the benefits you can access, see postscript.⁸

If you opted out of the health plan, check to see if your personal health plan covers your needs. If not, consider enrolling in the health plan for next year.

And remember, whether this is your first term and you're starting anew, or you've been enrolled for many terms prior—the best time to transition will always have been yesterday, but the next best time to transition is *now*.

1. And your spouse or children (if applicable).
2. Alumo: <https://wusa.alumo.ca/>
3. GreenShield: <http://app.greenshieldplus.ca/>
4. Gender Affirmation Coverage: <https://wusa.alumo.ca/gender-affirmation>
5. GreenShield Policy (effective Sep. 1, 2025): https://studentcare.ca/RTEContent/Document/GAC/GAC-Eng_1SEPT2025.pdf
6. How to Make a Claim: <https://wusa.alumo.ca/claim>
7. 00 for you, 01 for your spouse (21, 31, etc. for subsequent spouses), and 02–20 for children (oldest is 02, second oldest is 03, and so on).⁶ I have no clue how this works if you have more than ten spouses or children.
8. WUSA Pamphlet: https://stprodcalumomainweb.blob.core.windows.net/contents/documents/wusa_reference-guide.pdf
9. This article is up-to-date as of the publishing date of this issue, October 9th, 2026.

OFFICE HOURS 101

HOW TO TALK TO PEOPLE SMARTER THAN YOU

One of the biggest pieces of advice people give to students is to go to office hours. But how does one go about doing that? In this essay, I will tell you all my office hour hacks, tips and tricks so you can socialize with ease and confidence. My qualifications:

- I go to office hours A LOT.
- I have ok social skills.
- I got a job once (so employed).

WHY SHOULD I GO TO OFFICE HOURS?

The first and best reason which gets its own paragraph: help with a course. If you are struggling, your professor/TA is your number one resource; they are teaching the course so they know what's going on the most. They are there to help. Specifically assignment help; if you have a question about an assignment problem they will most likely just tell you the answer or explain it to you. Once I went to ask for an extension and my prof just gave me the answers. It was wonderful.

More reasons: want to go to grad school? Go to office hours. Easiest way to get reference letters and a supervisor. Want to do research? Go to office hours. Easiest way to get employed. Want advice on courses/grad programs/exchange? Go to office hours. Infinite advice hack.

BUT I HAVE NO QUESTIONS, WHAT DO I SAY?

First, knock before you enter. Smile. Make eye contact as much as you can. Say hi back. Introduce yourself. Ask how they are doing back. Say thank you. Just be polite. It does wonders.

As for questions, question about assignments are the best and easiest things to ask. My personal hack: if you have none, make one up. Just larp being stuck on a problem. Done. Usually the first few times I exclusively ask questions about assignments cause it's low hanging fruit and easy to start with. If you have no assignments: ask a question about a question on a quiz/midterm. Again, larp your way through it.

When you're comfortable, if you're feeling adventurous, ask about their research. You don't have to read and understand a paper, although this is good question content. Find their website, pick some topic, and say you're interested and want

to hear more about it. If you can't come up with questions mid-conversation to elaborate that's ok, I can't either. Just nod along, say that's cool, maybe ask if there's a course on it, if there's some reading they recommend, done.

HOW DO I ASK FOR A JOB/REFERENCE?

To qualify for asking for a job/reference, it's good to regularly go to office hours so they know you or at least know your work ethic and how you think. Writing a good reference letter for someone is hard if you don't even know them.

For a reference letter: just straight up ask, and make sure you give at least a month's notice. Say "I'm applying for such and such, can I put you as a reference/can you write a letter?" BOOM BOOM BOOM.

For research: if you don't want to straight up ask for a job, ask for advice on applying, ask for a reference for said job, ask what they look for in students, or ask if they know anyone taking students. Then they know that you're looking and you're locked in.

BUT IT'S SCARY/AWKWARD?

Yup. It is really scary talking to someone who you know is smarter than you. It is also going to be awkward. You just have to thug it out. Eventually, hopefully, it will get better, and you will get better at it.

smallmouthbasshater

BRUBAKERS: TERIYAKI EXPERIENCE (2026-09-09)

4/5, \$17, wait time: 20 min (including line)

It was good, reasonably priced (\$17 for the classic experience) but they take a solid ten minutes to cook your food in front of you. Don't ask for extra sauce, it's too sweet.

profQUOTES

AMATH 231: JOE WEST

- “ I told a lot of people how to install dishwasher without ever installing one myself, hope it worked out for them!

AMATH 331: SPIRO KARIGIANNIS

- “ *[Referring to the squeeze theorem]* The Americans call this the sandwich theorem, because, well, you know where their heads are at.

AMATH 333: FRANCIS POULIN

- “ Let’s hold off on acceleration. We’re talking about geometry now, which is already hard enough.
- “ Here is a theorem, which, as usual, I will not prove.
- “ Now, didn’t I say that for basis vectors the index goes in the subscript, and for coordinates the index goes in the superscript, yet $\frac{\partial}{\partial x^j}$ is a basis vector and we put the index in the superscript of x ? Well, it’s in the denominator, so we treat it like it’s in the subscript.

AMATH 462: BARBARA ZEMSKOVA

- “ If I start saying that the 1950s was 50 years ago, please correct me. It’s because I’ve been stuck in the 2000s for 25 years.

AMATH 463: BARBARA ZEMSKOVA

- “ If we recall how to take derivatives, which I oftentimes fail to do.
- “ So if there are no objections, we will get going—well, even if people have objections, we will get going.
- “ If I say a random day of the week, just assume I meant last class.
- “ Any other concerns? Other than there is too much math on the board.
- “ Too many p ’s and ρ ’s? Just wait, next we’re gonna get into ω ’s, and there’s still w ’s floating around, which is just gonna kill us all.

AMATH 473: GRAEME SMITH

- “ We used to call it the “free particle.” Do you think we should change the name to the “American particle?”
- “ Time is a real number... we think.
- “ We are going to face reality, not turn away from it and use complex numbers.

- “ You can say whatever you want to the TSA, as long as you don’t threaten them, and it’s not illegal... but that doesn’t mean you won’t get arrested.

- “ This is what was written in the book. But the book was not written by an LLM, so there may be mistakes.

- “ We call it a dual [vector space], not to be confused with the Galois duel.

AMATH UG PIZZA: GRAEME SMITH

- “ Let me workshop this with you guys. What do you think of a twitch channel where I stream myself and my grad students prompting an LLM to solve open problems with help from the chat.

CO 442: LUKE POSTLE

- “ A surface is a closed, compact, connected, 2-dimensional manifold.
- “ 3-sums! They are a great idea.

CO 485: SAM JACQUES

- “ Is memory cheap? Well, not anymore...

CS 245E: STEPHEN WATT

- “ Let’s pretend 64 was a big number.
- “ We could do a whole course on this, but then you’d be over there in engineering, so we’re not going to do that.
- “ Now I’ve got a NOT and a NOT, and I was told to never be naughty!
- “ These are pretty to look at, and makes your homework look mysterious.

CS 341: RAFAEL OLIVEIRA

- “ Student: “Shouldn’t it be 11, not 12?”
Prof: “11 or 12? 6 or 7? Isn’t that that thing you do nowadays?” *does the 67 motion*

CS 350: BERNARD WONG

- “ If you write this C code, you’ll end up in a bathroom stall with some stranger.

HLTH 290: JOHN MIELKE

- “ Because you’re paying so much money for your university degree, you should learn not only the standard

nomenclature, but also the dressed up nomenclature, wouldn't you say?

“ It's often said that anatomists would rather swap tooth-brushes than terms.

“ Let us swim to the UK in the 1950s.

“ The Spinal Nucleus of the Bulbocavernosus. I just want you to commit that to memory, so that the next time you're in the pub, there's somebody walking past that you wish to impress, you can just let that flow from your tongue. Spinal Nucleus of the Bulbocavernosus.

MATH 235: JERRY WANG

“ Screw this, I'm using the board.

“ Today's class is brought to you by chatGPT.

MATH 237: ZACHARY CRAMER

“ You've got nothing to lose by voting, right? Just my respect for you.

MATH 245: JERRY WANG

“ And that's a proof that the sum of the first n odd numbers is n^2 .

MATH 247: SPIRO KARIGIANNIS

“ I shouldn't say this or else I'll end up in mathNEWS.

“ In analysis, if you try something and it doesn't work, then you half the size of everything until it does work.

PHYS 474: MICHAEL BALOGH

“ Don't pretend you understand what that means.

“ We call it “dark energy.” This is great because strange places like the US department of energy give us lots of money to figure out what it is.

PMATH 347: FAISAL AL-FAISAL

“ Very soon we're going to bulldoze this problem with nuclear weapons.

PMATH 367: TY GHASWALA

“ When you see $\exists!$, this means “there exists a unique,” but I want you to pronounce it “there exists!”

“ You know, in category theory, which is when you lose sight of reality...

PMATH 450: XUEMIAO CHEN

“ I changed a lot of lives, some for good and some for bad.

PMATH 457: MATTHEW KENNEDY

“ By FIP... wait, I am going to write finite intersection property in full in protest against MATH 135.

PMATH 965: MATT SATRIANO

“ Everything is fppf-local, unless it's not.

STAT 231: CHRISTIAN BOUDREAU

“ If we look back at STAT 230, or Wikipedia, or ChatGPT...

STAT 333: STEVE DREKIC

“ A few years ago, I co-authored this paper... At the very least, if you're having trouble falling asleep, download this paper, it'll cure all your problems.

N WAYS IN WHICH I AM LIKE A HUMAN BABY

- I find the world to be very loud and overwhelming a lot of the time
- I need to be fed every three hours or I get grouchy
- I am awake at all hours of the night and sleep for short periods during the day
- I often wish to communicate that something is wrong but can't articulate it in a way people around me will understand
- I am easily entertained but my focus is easily lost
- I am very curious about the world around me and will look at things with very wide eyes (until I get tired)
- I am often compelled to put things in my mouth
- I love to be held by people I know but can get uncomfortable when strangers touch me
- I may fail to recognize people when they change something about their face (e.g. shave)
- if you wake me up when I do not want to be awake I will complain very loudly
- I am not very good at basic life skills like drinking water

axon_terminal



A GUIDE TO THE 2026 ALBERTA REFERENDUM

WHAT'S GOING ON OUT WEST?

You may have heard about the Alberta referendum taking place on October 19th, 2026. The headlining question is whether the Albertan government should hold a binding referendum on Alberta separating from Canada, but there are also nine more questions concerning immigration, voting, and the Canadian Constitution. How did we get to this point?

Albertans have a long history of feeling alienated by decisions made by the federal government, from the National Energy Program to equalization payments. In response to two opposing petitions regarding whether Albertans supported or opposed remaining in Canada, Alberta's ruling United Conservative Party added a separation question to an already-scheduled fall referendum.¹ All ten questions, and some additional points for consideration, are listed below.

1) Do you support the Government of Alberta taking increased control over immigration for the purposes of decreasing immigration to more sustainable levels, prioritizing economic migration and giving Albertans first priority on new employment opportunities?

Decreasing immigration will not necessarily result in these three propositions becoming realities, and it is unclear how the government would accomplish them. Who qualifies as an Albertan, and how would the government make economic migration appealing while also favouring Albertan residents?

2) Do you support the Government of Alberta introducing a law mandating that only Canadian citizens, permanent residents and individuals with an Alberta-approved immigration status will be eligible for provincially-funded programs, such as health care, education and other social services?

It's unclear how many of the following groups this question applies to: temporary foreign workers, international and out-of-province students, refugees, people awaiting immigration and citizenship decisions, and/or everyone else who doesn't fit into the above three groups? Packaging all these social services and demographics into one question doesn't allow Albertans to answer with the nuance these issues deserve.

3–4: Assuming that all Canadian citizens and permanent residents continue to qualify for social support programs as they do now, do you support the Government of Alberta...

3) ...introducing a law requiring all individuals with a non-permanent legal immigration status to reside in Alberta for at least 12 months before qualifying for any provincially-funded social support programs?

4) ...charging a reasonable fee or premium to individuals with a non-permanent immigration status living in Alberta for their and their family's use of the healthcare and education systems?

Questions 2, 3, and 4 introduce conflicting scenarios with regards to how many barriers non-Albertans might have to face before being able to access social services. If Albertans

vote yes to all of these questions, would non-Albertans have to wait 12 months, pay a fee, or be unable to access social services at all?

5) Do you support the Government of Alberta introducing a law requiring individuals to provide proof of citizenship, such as a passport, birth certificate or citizenship card, to vote in an Alberta provincial election?

Between 2013 and 2023, Elections Alberta only reported seven voting irregularities. I know people who are eligible to vote but don't have any of these documents. This proposal would introduce more barriers to voting without evidence to suggest that greater levels of ID verification are necessary.

6–9: Do you support the Government of Alberta working with the governments of other willing provinces to amend the Canadian Constitution...

6) ...to have provincial governments, and not the federal government, select the justices appointed to provincial King's Bench and Appeal courts?

Underlying this question is the implication that judges cannot be trusted to be impartial or make their decisions independent of the governing body that appointed them.

7) ...to abolish the unelected federal Senate?

A Supreme Court ruling in 2014² states that abolishing the Senate would require unanimous consent of Parliament and all ten provinces; without the support of each provincial government, the House of Commons, and the Senate itself, any avenues the Alberta government might pursue could not result in a change this extreme.

8) ...to allow provinces to opt out of federal programs that intrude on provincial jurisdiction such as health care, education, and social services, without a province losing any of the associated federal funding for use in its social programs?

Federal funding is provided for the purpose of upholding national standards of living, especially regarding programs such as healthcare and childcare, and opting out of federal programs while still being able to receive federal funding would discourage provincial governments from negotiating with the federal government and adhering to these shared standards.

9) ...to better protect provincial rights from federal interference by giving a province's laws dealing with provincial or shared areas of constitutional jurisdiction priority over federal laws when the province's laws and federal laws conflict?

Provincial laws already take priority in areas of provincial jurisdiction, and the Constitution does not define shared areas of authority. Amending the Constitution requires the

support of seven provinces containing at least half of Canada's population, as well as Parliament itself, so this change is unlikely to occur.

10) Should Alberta remain a province of Canada, or should the Government of Alberta commence the legal process required under the Canadian Constitution to hold a binding provincial referendum on whether or not Alberta should separate from Canada?

Remember those two petitions? One petition was created by Mitch Sylvestre, the current leader of the Alberta separatist movement, and asked the question: "Do you agree that the Province of Alberta shall become a sovereign country and cease to be a province in Canada?" This petition was rejected by the Alberta Court of King's Bench on the basis of contravening the Charter of Rights and Freedoms and constitutionally protected Indigenous rights; included in the reasons for rejection was that the Alberta government did not adequately consult Indigenous groups before approving the petition. Sylvestre and the Alberta government have both appealed this decision, and the Court of Appeal has not yet made a decision on whether it should be overturned.

The other petition was created in response to the Alberta separatist movement, and asked the question: "Do you agree Alberta should remain in Canada?" By the time a legislative committee made its recommendation of a referendum to the legislature, the spring sitting of the Legislative Assembly had already ended.¹ Instead of waiting for the Legislative Assembly to reconvene on October 29th, and instead of waiting for the Court of Appeal's decision on the separatist petition, the UCP government unilaterally decided to put this question on the scheduled October 19th referendum.³

This confusing and convoluted process is why this question is worded the way it is. This question on separation did not end up on the ballots as a result of following the petition process. Alberta's UCP government, forgoing the approval of the courts or the Legislative Assembly, put it there.



If you are Albertan, you can find more information about voting on the Elections Alberta website: <https://www.elections.ab.ca/>

If my stance isn't already clear from this article, I voted no to every question. For more resources and information on the referendum, here are some websites for further reading:

- <https://albertareferendum2026.ca/>
(Government of Alberta website)
- <https://beforevoting.ca/>
- <https://albertasvoice.ca/>

aurelio

1. <https://www.cbc.ca/news/canada/edmonton/alberta-separation-referendum-televised-address-9.7208162>

2. <https://www.canlii.org/en/ca/scc/doc/2014/2014scc32/2014scc32.html>
3. <https://beforevoting.ca/article-source/what-happened-to-the-forever-canadian-petition>

Also my mail-in ballot had a completely wrong address printed on it.

MY FAVOURITE PLACE IN CANADA

Almost four years ago, I went on a day trip with my parents to visit some of their friends in Hamilton. We mostly drove around the city going to various nature spots like Tiffany Falls and the Royal Botanical Gardens, which was all quite nice but would have been considerably more enjoyable had everyone else in the group been within my age range.

What made that trip stick with me was the last place we went to before parting ways. Hidden away in the trails of the Royal Botanical Gardens' Cootes Paradise Sanctuary is the Marshwalk Lookout, which is a boardwalk stretching out into a sea of reeds, leading to an observation platform with some binoculars.

Exiting the forest and following the walkway through the reeds is akin to entering the isle of calm in the eye of the storm. The scenery is striking all year around (albeit a little post-apocalyptic in the winter), but during the fall when the reeds turn yellow and the trees turn into all sorts of autumn colours is when the Lookout begins to approach its full potential. It then reaches that potential during golden hour; it is no exaggeration to say that close to sunset, the reeds look pulled straight from a stereotypical depiction of heaven. Finally, the binoculars on the observation platform are a trap. The best view at the Marshwalk Lookout is not the swampland ahead; you can only see it when you turn around and look back at the forest. That view has been my lock screen ever since the day of that trip.

Sometime within the next few weeks would be the best time to go see the Marshwalk Lookout in its full glory. Don't wait too long to take the trip there.

the government's only spy

I FOUND MY SUITCASE

This is wonderful I found my suitcase whoever took it you're wonderful thank you for returning it to GO and your suitcase is also there I'm so happy I got my stuff back and can avoid doing laundry for yet another day and I didn't lose all my stuff. This is a wonderful world.

hellloooo

DON'T JUST COMPLAIN, ORGANIZE!

A RESPONSE TO "AI AND THE RISE OF A NEW LABOUR"

When the Socialist organizer Joe Hill was executed by the state of Utah in 1915, he parted with this now famous quote.¹

Don't waste time mourning, organize!

Indeed, the rights and freedoms of the worker, such as the eight-hour work day, 40-hour work week, and other achievements of the 19th and 20th century are largely legislative landmarks. As the article *AI and the rise of a new Labour* in the last issue pointed out: "the past can be used in order to construct a plan for the modern age, and with it, a new labour movement can form to protect those who do not belong to the top 1%." A noble, if not much needed, view of the world.

And yet what are we to do? "We are but students." Or, "we are simply individual workers in stacked up against Big Tech in a market without worker leverage."

Both are true points. But that is not a sufficient argument to come to the implicit conclusion that nothing can be done, or that we should simply slouch back and wait for Ottawa to formulate a response. Ironical too, given Bill C-39 being proposed by the current resident of 24 Sussex.

Liberation seldom comes easy or cheap.

Take a look at the historical example of American slavery. The slave owners of the South understood that slavery is political and did not simply give up their African slave holdings simply because "the times are changing." In fact, many Southern slave-holding elites like Robert E. Lee understood that:²

In this enlightened age, there are few I believe, but what will acknowledge, that slavery as an institution is a moral & political evil in any Country. It is useless to expatiate on its disadvantages.

And yet, these are the same men who did not hesitate to call up poor Southern farmers to rally to the defense of the very same institution.

So, Liberation rarely comes from above. It comes from outside and from below. For the American Negroes, it came through the Union Blue to gain their personal freedom, but also through their own advocacy of the Civil Rights Era to truly have their cause be taken up by the political establishment, against segregation and Jim Crow.

Is it not the same for labour as well?

When we think of the victories of labour, it might be thought of as a legislative victory, as if the good-hearted reformers in D.C. or Ottawa found in their conscience that workers shall be free and shall enjoy a life of idleness after work.

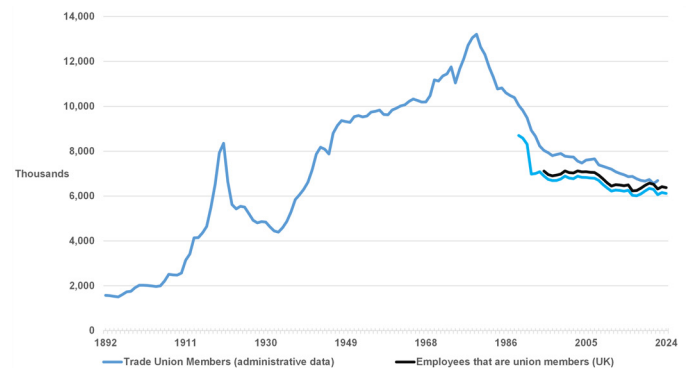
Take a look at France of 1936. It was the efforts of many left-wing parties re-emerging from the lull of a Far-right riot/

coup d'état just two years earlier, alongside a general strike led by the trade unions that finally penned the Matignon Agreements, legally enshrining in France labour achievements of 40-hour work weeks, collective bargaining, paid vacations, right to strike, etc.³ It took the workers a century, starting from the 1800s, forming organized parties and unions to slowly shift the public perception of the labour plight through agitation, organization, strikes, and open political discourse to get it across the line.

Meanwhile, the same stories happened across Europe. In England, the Anti-Fascist workers were organized with the working-class parties and unions to dispel the Fascist march in the Battle of Cable Street;⁴ in Germany, even as the SPD government fled in response to the Kapp Putsch of 1920, the general strike of the German population was able to bring down the Far-right Putschists by paralyzing all civil services.⁵

So long as human labour continues providing value to the society, the power of workers will remain strong. Yet it requires the coordination of labour organizations (like unions!) to direct the political forces around the interests of the working class.

The following is a graph of trade union membership levels among employees in the UK and Great Britain, 1892 to 2024:⁶



It is quite easy to see that left-wing policies really only surged after unionization rate remained steady. The first spike in around 1920 correlated closely with the rise of the Labour Party to supplant the Liberal Party in national politics, and the sustained union membership in the late '30s also correlated with the Attlee Labour Government in 1945, the one that built the social welfare state. Its wane in the 1980s onward also correlated with the Neoliberal turn in politics and the age of cuts and austerity. The working class never left. The organization was not what it used to be.

All that, then, is to demonstrate a singular lesson:

The emancipation of the working class is the task of the worker alone.

To fight the good fight for workers' rights, for OSAP, for human labour against irresponsible AI, it is on each and every one of us. And we must organize, to rise to the call.

You don't have to do a lot. It could be sending a concerned email to your MP. It could be to join up in a pro-union political party near you. It could be to wear the colors and the symbols of labour to show your stance. It could be to show up to the protests to support your cause, wherever it may be. It could be to tell your friends and family to act or to vote. Doing any of the above would move the needle of public opinion even slightly. So doing anything is preferable to doing nothing. Whatever you do, coordinate your actions with people like yours. Join an organization, a union, or even create one yourself. Be that change you want to be.

Don't just complain, organize! I am going to do my part, will you?

RobbotC

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WHY WRITE?

I was watching The Social Network recently, and one of the standout moments was the comment that Mark felt every thought he had was worth sharing. It feels ridiculous when those thoughts are drunken, angsty, and ethically problematic, but it begs the question:

When *are* our thoughts worth saving and sharing?

That's a good question.

It's fairly easy to dump thoughts on a page, but it's hard to make them concise and meaningful, and it's even harder

to make them impactful and valuable. One way to make thoughts valuable is to research and construct solidly founded arguments, rather than just spouting opinions.

This article had no research, is neither concise nor meaningful, and does not make an effort to be valuable. I can't think of a good reason for you, reader, to continue reading. So why write this at all?

In the winter, I did make an effort for my writing to be valuable. I felt deeply annoyed about certain societal issues that felt under-recognized, and I felt motivated to publish six op-eds on six harmful things. The main reason I did this was that the process itself was enjoyable. The other reason is that maybe, just maybe, publishing an article could make some effect on the average opinion of the university population.

Being fun is an obvious reason to write. I liked thoroughly considering issues that felt important, sticking to a schedule, discussing my upcoming article topics with people, and creating something that felt right. Doing something because it's fun is a great reason. But publishing matters to none of this. Publishing can justify the effort by "putting it out there," but what does that do?

The second reason I wrote is dubious. Do I really believe I'm helping the world? I think polyester is terrible, but what could any article possibly do to the gross amount of microplastics constantly entering the environment? I believe shampoo does more harm than good, but enough people have written about not using shampoo that it I'm unlikely both introduce someone to and convince them of the idea. So no, I don't expect to have made a meaningful impact.

There are lots of other reasons to write. You can write to get better at writing; publishing adds some extra pressure to write well. You can write for reputation or employability; a portfolio displays your understanding and communication. You can write just to play with words and ideas; building stories and arguments is a form of art.

But what about this article? Am I writing to practice? Maybe, I do believe writing is an important skill to have even in a world with LLMs. Am I writing just to populate my personal site? Maybe, but it isn't worth sharing if it wasn't worth writing. Am I writing just for art? Maybe, but I have homework coming due soon and other things I could create.

If I'm not at **prodNIGHT** to socialize, and this article isn't going to make myself or the world any better, then why show up and spend two hours of my life writing it? Does a meta-commentary from an anonymous writer without any authority, published in a semi-serious student publication, have any value whatsoever?

Yes. It's worth three slices of pizza, so maybe that's why I'm here.

blather

WHY I IRRATIONALLY HATE JOHN FUCKING MAJOR

JGFDJGKHS GFHKDGF GH FUCKGH THATFG HYPOCRITICAGL PIEC OF SHJIT !!

okay so the reason this topic has come to mind is because i recently referenced the guy to a friend (okay technically to my more than friend or whatever the fuck we are but not the point) only to realize that no one fucking knows the guy nor my strong hatred for him. the only person that would get it is my sister and she is not available to answer to all my historical takes and vice versa (though i was tempted to write about her ex-hyperfixation william pitt the younger which is kinda related?). anyway so before i can continue to reference him i must explain myself or i will die. and as much as i'd like to perish i'll schedule that for later. now back to my mortal ENEMY john (roy until the early 1980s) major

john major was the british prime minister right after margaret thatcher, continuing her conservative legacy after her resignation, which as someone on the economic left i'm not a fan of. i'll give him the benefit of the doubt of being a child of former circus/vaudeville workers who dropped out early to support his family before bouncing from job to job and was too tall to be a bus conductor (man is 6') but i also don't get it when you become a conservative after all that. like after going through economic difficulty wouldn't you want the government to support people as much as possible? i digress... he got more into the conservative party after first getting elected to local council in the conservative sweep in '68 (influenced by big anti-immigration speech that he personally did not agree with but never spoke out against), then joining parliament a decade later right in the midst of the thatcher storm. he also had a five-year affair with his mom's friend which boosted his confidence and shaped him into the conservative man he became... yeah alright, nothing like an affair to whip you up into a tory

despite speaking out against thatcher's economic policies in one of his first speeches, he rose through the ranks, becoming parliamentary private secretary in '81, assistant whip in '83, junior minister in '86, and finally joining cabinet in '87. he was swapped to higher roles such as foreign secretary and soon after to chancellor of the exchequer, both in 1989. in the next year, thatcher unexpectedly resigned from the leadership election and with her unofficial support, he entered in the next round and won, becoming prime minister the next day.

from the start, he upheld the same values as thatcher but with more pragmatism in mind. during his seven-year premiership, he managed a recession in the early '90s (not without some hiccups), narrowly won re-election, temporarily brokered peace with northern ireland, and reversed thatcher's poll tax. however later eu policy split the party and eventually led to his defeat by tony blair, ending the conservatives' 18 year stint.

now, none of what i said is why i hate the guy, just some context on him. the reason why i hate the guy is his social policy. one of his pushes during the party infighting was to build back britain's traditional family values, in a policy labelled as "back to basics." however, this completely backfired, with many cabinet members and tory mps starring in scandals

and highlighting the underlying hypocrisy. this included illegitimate children, living with a sex therapist, homosexuality, death by autoerotic asphyxiation, bribery, and more. even after his premiership it was revealed that he was having an affair with a conservative minister in the '80s. and this shit really gets me boiling.

i may be a bit biased since i'm also social left but the amount of hypocrisy from this guy is insane. the more i read about this guy, the more i notice how every policy of his eroded his backbone and this was the final blow. you expect to judge and penalize the common, the person you used to be, just for their lack of nuclear family, when your party, even yourself, can't be held to the same degree? if you're trying to repair the party that you divided, calling for respect for family and law only works if your party respects family and law, yet you and them all seem to be above the words that you preach. god i hate it. don't get me wrong, i've also been an hypocrite but i'm not talking to all of the UK as part of my public policy and i'd like to think my values are not so wishy washy like this mf

okay so yeah that's why i hate the guy. now i can talk about him and have people understand HELKL FUCJING YEAHH !!!!

Dollar Store Person

my sources (not cited or sorted sorry i don't have time, gotta get back to basics bc that worked so well for him am i right or am i right)
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LYCHEE'S RECENT HYPERFIXATIONS

Hello hello! Welcome to the first post of Lychee's Recent Hyperfixations, where I yap and info dump about my recent interests and side quests! The topics can range from... pretty much anything, but some topics can include manga and anime, artists I've listened to recently, history, etc.

This week, my recent hyperfixation (and side quest) has been the medicinal uses and toxicity levels of different flowers. Throughout the past two weeks, I've done some surface-level research on ~40+ types of flowers; some of my favourites included Rhododendrons, Belladonna (*Atropa Belladonna*), Bleeding Heart (*Dicentra Spectabilis*), and Chrysanthemums.

Now, to go into those four flowers in a litttttle bit more depth, I will talk about (at least) three main things: the meaning of the flower, the toxicity, and the medicinal uses (NOT BACKED UP BY PROFESSIONAL MEDICAL RESEARCH).

RHODODENDRONS

Signifies: "Beware" or "Danger"

Toxicity: All parts of Rhododendrons are poisonous to humans and animals, as the plant contains grayanotoxins in their pollen and nectar. Honey made from this flower is known as "Mad Honey," and consuming the toxin can cause some symptoms such as dizziness, vomiting, nausea, and cardiac rhythm disorders.

Medicinal Uses: Juice extract from the flower can be beneficial in reducing high blood sugar and high cholesterol levels, due to the antioxidant properties found. The flowers are also rich in iron, which can help treat iron deficiency.

BELLADONNA (ATROPA BELLADONNA)

Signifies: "Dangerous Beauty" or "Deception"

Toxicity: All parts of the plant are toxic to humans and animals, especially the berries. The plant contains atropine, hyoscyamine, and scopolamine. Ingestion can cause hallucinations, slurred speech, dry throat, etc.

Medicinal Uses: Has been used as a recreational drug (due to the hallucinatory effects they produce), and is used in herbal medicine as a pain reliever and muscle relaxer.

Bonus Facts: In Ancient Times, Belladonna was used for the toxic properties, and was used on the tips of arrows. In

Ancient Rome, it was rumoured that Empress Livia Drusilla used the juice from the berries to poison Emperor Augustus. The common name *belladonna* originates from its historic use by women, as *bella donna* is Italian for "beautiful woman," and it's claimed that eye drops prepared using the plant were used to dilate a woman's pupils to appear more "seductive."

BLEEDING HEART (DICENTRA SPECTABILIS)

Signifies: "True Love" or any sort of intense romantic emotion

Toxicity: All parts of the plant are toxic to humans and animals when ingested. The plant contains isoquinoline alkaloids. Ingestion can cause severe gastrointestinal and neurological symptoms.

Medicinal Uses: Can be used to calm nerve pain and muscle aches, treating bruises or swelling, or to improve blood circulation and to treat abdominal pain.

CHRYSANTHEMUM

Signifies: "Longevity" or "Friendship"

Toxicity: All components of the plant are toxic to pets. The flower heads contains the highest concentration of pyrethrins and sesquiterpene lactones. Ingestion can lead to gastrointestinal issues and a loss of coordination.

Medicinal Uses: Can be used to treat dry eye, eye fatigue; to lower blood pressure, cholesterol; or to relieve stress and improve skin and acne issues.

Isn't it so cool that flowers could be used for so many things? It's truly amazing!

lychee

READ WORM

READ WORM AND PERHAPS MORE

tinkerTailor:

<https://parahumans.wordpress.com/>

amirdadp:

Actually, have you heard of Kurt Vonnegut? Holy shit, he is really really good. I am currently on a mission to read every Kurt Vonnegut book there is. *Mother Night* is the best book I have ever read.

Anyway, have you heard about complementary slackness conditions for optimality of solutions to linear programs? It's totally crazy if you think about it, you have a condition for optimality of a solution to a problem without knowing *anything* about the problem or the data it contains. All you need is a solution to some other linear program in which the pair of solutions must satisfy some general conditions.

tinkerTailor & amirdadp

PUT ME IN A SITCOM PLEASE

Ask someone to describe their dream life and most people will tell you about a specific job, city, or family structure. Not me. I yearn for nothing more than the life of a sitcom character.

I was late to today's production night by a couple minutes, say 30. Rock climbing had lasted longer than expected. I had planned to meet up with a classmate at the gym, but when I arrived I found that another friend of mine happened to be climbing then as well! I introduced my classmate to this new girl and we got carried away talking. I biked to campus as fast as I could, but not so fast that I missed spotting my very own roommate walking down University Avenue. I couldn't believe it! Two chance run-ins in one in afternoon? My day began to seem quite special. With the possibility of friends around every corner, the world itself became a friend.

This is the kind of thing that happens every day to sitcom characters. They're always running into people they know! They'll just go to a cafe or an apartment or a restaurant and everyone they know will miraculously already be there, hanging out. How I envy them...

I try to replicate this as much as possible. I don't simply consider my program's student lounge "the good place for studying." No, it's a **necessity**. How could I study in the office I have set up in my bedroom, when there's the option of walking over to campus and immersing myself in community? There's always people I know there, whether they're actual

friends, friendly acquaintances, or just one of my favourite recurring side characters.

The value of a side character really cannot be understated. Anyone can be a side character. Things like age, sex, and the city they come from do not matter. These people are instead characterized by the fact that my friends and I recognize them not, as people are commonly known, by name, but instead by a very specific trait. Sometimes these people are so ridiculous that they require a strong will and grace on my part to take seriously, but I care about them all in my own special way. Although I've never interacted with "unicycle man" or "the guy with the comically tall hair," those recurring characters make my world seem both smaller (in a good way) and more interesting.

I typically wouldn't consider myself a "family" guy, but I guess I do appreciate how this web of people has come together to feel so familiar to me, like a newer, modern, family.

If you're still reading this article, then you're clearly an admirer of mine. So here it is, a message to all the fans, all the sims. On the off chance that you gain some kind of magic powers, would you please consider transporting me to a sitcom?

Cheers,

trolleyproblem22

COME AND PLAY OUR GAMES FROM UW F26 GAME JAM!

UWaterloo Fall 2026 Game Jam hosted by UW Game Dev Club was successfully concluded with a wonderful showcase on Oct 4th. A game jam is a hackathon event for video games. Your or your team's goal is to make a game in 72 hours from 5pm, Oct 2nd to 5pm, Oct 4th based on a common theme — DRIFT. During the 72-hour period, 60 games were made by more than 175 makers. Among those entries, we have five yuri games (3 of them named *Yuri in Space* coincidentally), five games featuring geese, one game about DWE sewage backup, three games made in Roblox and much more! I have linked the Game Jam page¹ and the UW Game Dev Club Linktree² in the postscript. Check them out!

As a fellow game developer, I also participated in the game jam. Our game is called *Liar's Stroke*,³ a mini-golf game in which you can cheat! You are a gopher drifting around the court as a caddy. One day, you hear rumors that the VoleIPs, the ultimate prestigious golf club, are hiring new talent. Tempted by unlimited refills of beetroot juice, you join the game. One day, you will climb up the fame ladder, play with celebrities, and become a VoleIP! To cheat in a golf game, you can change the ball to be a feather ball to land a far stroke, you can tilt the wind direction or tilt the whole golf court to get around obstacles. The strongest cheat is to ask your sidekick,

a mole, to move the hole for you. There are nine unique golf courts in total in the game, try your best to win!

Overall, this game jam was very successful. Around 50% of the attendees are first-time game developers, and many of them are first years! As an exec of the club, it is always inspiring to see beautiful games made by new people. I spotted many talented artists, developers and composers in the #wip channel of the discord. I feel happy to see them grow as a team, and we would love to promote their games to a wider audience by bringing them to showcases like VGLX, Game Expo, and Level Up Showcase. When chatting with the attendees, I discovered that many of them became friends through the game jam. I found it particularly wholesome. Our duties as execs are fulfilled — we bring people together! Thank you all for participating!

eralogous

1. <https://itch.io/jam/university-of-waterloo-fall-2026-game-jam>
2. <https://linktr.ee/uwgdc>
3. <https://gniminion.itch.io/liars-stroke>

I AM FEELING JET LAGGED

HE SAID THE THING!

This is my first **mathNEWS** article, written with passion, not AI.

Watching the finale of *Jet Lag: The Game* Season 19: Japanorama in theaters was such an awesome experience, and I highly recommend future opportunities if they are offered in the future. Obviously, I can't/won't spoil what actually happens, but if you're unfamiliar with what *Jet Lag* is, it's a transit-oriented game show where they play classic children's recess games or board games, but all over parts of the world. In this season, they visit Japan to race from the southern-most train station to the northern-most using the public transportation system. However, what trains they can take is heavily limited by which prefectures they have unlocked, and what cards they have in their hand. In order to unlock prefectures and to get cards, they must complete challenges, ranging from taste-testing food to getting drunk. I've been watching them since Season 3: Tag Across Europe released back when I was in high school, and their production and editing quality has immensely improved over the years, yet they have always had their funny moments.

The people on the show are actually notable; if you've ever doomscrolled on YouTube, you may be familiar with "Wendover" or "Half as Interesting," both channels publishing educational entertainment voiced by Sam Denby. Sam is also the host of *Jet Lag*, alongside two of his writers, Adam and Ben. Some seasons are 1v1v1, but every couple of seasons, they also have a guest on to play a 2v2 game. This season features Tom Scott; he was a previous contestant contending to win Season 13: Schengen Showdown, but unfortunately lost. Will he regain his chance? That's what I suggest you find out. Episode 7 should be out on YouTube when this issue releases, but you can also pay for a Nebula subscription to watch episodes a week earlier in advance, in which case the finale will be out.

The reason I mention all of this is because it's very popular with transit nerds. So popular in fact, that the creators of the show manufactured a home game with their iconic card design, Hide and Seek. There are communities across different countries that all gather to host and play these games, and I'm enthusiastic to announce that I am an admin of the main Canadian server, where these games get developed, planned, and organised. I played a game of Hide and Seek with Montreal's transit system 2 terms ago, which was so epic, but we are currently coming up with different games too, such as Tag, Race, Capture, and lately, Bingo! If that's something you would be interested in, our next games are in Toronto, and you can join our Discord server at <https://discord.gg/2JEmD7rNQp>. If you would like to help out in different ways without being outside, you can also "helpdesk," which is informing players of specific rules while they're playing, and you get to watch behind the scenes. Thanks for reading.

tarball-uwrgc

I CAN SHOVE A CHARGER UP YOUR ASS IF IT WILL HELP?

SOCIAL BATTERIES DON'T EXIST

I currently reside in a hell of my own creation. Through a combination of loving parents, supportive friends and an astonishing lack of pressure from anywhere, I have curated the single most fucked-up schedule I could've possibly dreamed up. My recipe for despair:

- Five engineering classes
- One English class
- Leadership role at club
- Biweekly **mathNEWS** contribution
- Not eating out (I cook my own food)
- Eating out (heh)
- Last two points are false
- Drinking (heavily)
- Having friends (lightly)

Despite my schedule and staggering lack of free time, I have never found myself telling people I am "too overwhelmed" or that "my social battery is drained." This is because, simply, I am not a little bitch.

That might seem harsh. It's probably not nice to call people little bitches for not having the mental/emotional energy to do xyz; there isn't a single person out there who hasn't ditched or wanted to ditch some event because they simply don't want to go. Surely not *everybody* is a little bitch? No, surely not. The dividing line here between regular dude and nuisance lies in the almighty ability to thug it out.

A "social battery" is not a real organ (duh); it is a pseudo-psychological internet word used to explain a variety of feelings ranging from mild irritation to violent exhaustion with humanity. I don't actually have any philosophical problem with this term. Instead, what I find an issue with is jumping ship from prior commitments due to a drained battery or using it as an excuse to behave like an ass.

"My social battery is dead, sry" is the same thing as "I don't wanna lmao" and it is helpful to apply the phrase with that in mind. No one cares if corporate or school events get skipped, but it is certainly odd to say that to your friends or family. This doesn't mean that no one can ever not want to deal with people, but using our discernment to wonder if "I just don't want to" is an appropriate excuse (many such cases) can work wonders.

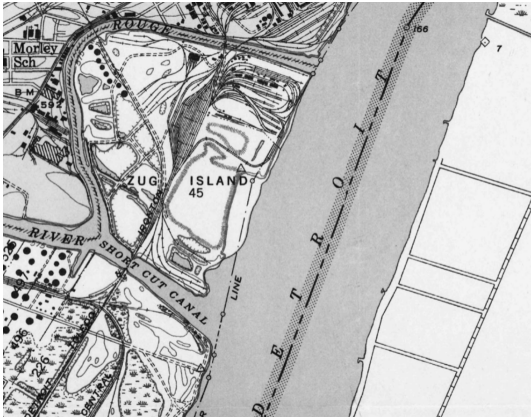
Sometimes existing as a person means toughing it out.

TL;DR: Come to the party, dickwad

Lyssa V33

N ISLAND FACTS — ZUG ISLAND

Today's island is close to home, in fact it wouldn't be too difficult to get to from Waterloo, not that anyone would want to. I present to you: Zug Island



- A small, artificial island at the Southern end of Detroit (roughly 247 km Southwest of **mathNEWS**, the closest island I've covered yet).
- Originally this island wasn't an island at all, but a marshy peninsula. It was bought by businessman Samuel Zug in 1876 to be turned into a luxury estate for him and his wife, though they soon abandoned it because it was "too damp" and "uninhabitable."
- In 1888 a channel was dug across the peninsula for shipping, turning the peninsula into an island.
- For a while, Zug Island was used as an industrial dump. It was covered with rubble and dredging waste to bring it above the waterline, meaning the island is quite literally made of garbage.
- Afterwards it was used for iron smelting, featuring three giant blast furnaces which at one point were the largest in the world. Operations expanded up until the current day, where nearly the whole island is covered in a sprawling metalworking complex.
- Locals generally dislike Zug Island, mostly due to air pollution. The areas near the island are some of the most polluted in the state, with high levels of lead and an unusual number of cancer and asthma cases. They also cite it as the source of a low, constant, and very annoying sound dubbed "The Hum", which reportedly can be heard over 80 km away.
- Cameras are banned on Zug, so images are limited, but what does exist looks pretty horrible, very Mordor-esque. Even just aerial images are striking, the island is a pitch black spot in the middle of the city.
- The island is an ancient Native American burial site... which makes it being turned into a wasteland seem even more evil.
- When the Edmund Fitzgerald (yes, the one from the song) sank, it was travelling to Zug Island.
- Zug Island is currently up for lease! For an undisclosed (very high) price you could own your very own industrial hellscape!

That's all on this island, let me know if you have an island you want me to cover! (fatcullen2@gmail.com)

FATCullen

A COLLECTION OF THINGS THAT I HAVE DONE/BEEN ON MY MIND RECENTLY

MY LIFE IS DEFINITELY INTERESTING I'M NOT A BORING CHUD AT ALL!!!!

1. TRYING TO LEARN JAVASCRIPT 8/10

I've been wanting to pick up a programming language other than Python for some time now and JavaScript seems easy enough, so anyway that's my main goal for this term. I'll try to see if I can do a project with it, maybe make a website or shader.

2. JOINED THE F26 GAME JAM WITH WATERLOO GAME DEV CLUB 100/10

So so so fun!! Little hiccups along the way but it was pretty awesome considering it was my first university Game Jam! I won't lie, I felt kinda small, looking at all the games that were mostly likely made with much more expertise but that just makes me all the more motivated ♡\(_▽_)/♡!! I've been wanting to join the game dev club since first year but I almost always had classes around meeting times so it's cool to finally be a part of it! Please play "One Last Drift" once the F26 Game Jam collection is out!!! :D

3. MMMMMMMMMMMMMMM SHAWARMA POUTINE MMMMMMMMMMMM 100000000/10

No notes, self-explanatory

4. HAVING TO TEMPORARILY UNINSTALL UBER EATS BECAUSE I KEPT ON ORDERING LAZEEZ SHAWARMA POUTINE -227328738/10

Booooo :((((

5. CONSIDERING TAKING EXAM P 1/10

Idk why I would do this to myself. I'm not even in Act Sci, most of my friends are Act Sci chuds.

Anyway if y'all have advice for me, like game dev or JavaScript stuff, feel free to contact me on Discord. My username is the same as my pseudonym!

floweryyy_

I AM 1A CS AND HERE ARE MY OPINIONS

SUPPOSE, FOR THE SAKE OF CONTRADICTION, THAT THERE IS A FINAL RACKET ARTICLE. CALL IT R.

It's time for everyone to hear my experience one month into the term. I'm first year 1A btw

First of all, I need to defend Racket because allegedly people have issues with it in CS 1(3|4)5. I don't really talk to other first-years, so I don't really know. It is my strongly held belief that Racket is a great language for beginner programmers. I would much rather learn functional programming, even if some things are kind of annoying, than whip up some kind of Python slop. Also, **the syntax isn't that bad**. The only half issue I have is that I wish DrRacket had some kind of extension system, so I could get Helix (I use Helix btw) keybindings in it.

Did I mention I use Helix (btw)? It's a modal TUI editor written in **Blazingly Fast Rust (btw)** and works great for most languages with no configuration, out of the box!

I also have to bring up C in my argument, because C compliments Racket perfectly. While Racket gives a good foundation on principles of CS, C gives the chance to get knee-deep playing with the memory that makes our programs tick behind the scenes. With C, you get a look under the surface of all the abstractions that Python takes for granted.

I wish I had more anecdotes to really drive my point home, but I'm first year btw so I don't really have any more. The next point on my agenda is to plug the Computer Science Club because 1. it's really cool there, and 2. I was appointed staff a week ago. I will get my keys by October 9th 2026, or else. The

people there work on really cool stuff. I dream of one day escaping my First Year Slop shackles so I can join their ranks. Lord, please take me!

My First Year **mathNEWS** article can't end without an overview of my courses, so here's an overview of what I'm taking:

- MATH 135: it's cool
- MATH 138: it's cool
 - NO IT IS NOT MATH 137 I GOT A TRANSFER CREDIT OKAY
- CS 135: it's cool
- ENGL 109: it's cool
- ECON 102: it's okay

That concludes my First Year Slop.

1A Student btw Minh Nguyen residing in V1 and taking the classes CS 135, MATH 135, MATH 138, ECON 102, and ENGL 109, office staff in CS Club btw, **mathNEWS** "writer". Frequents the CS Club office whenever it is open. Owns a laptop with 32 GB of DDR5 RAM running Fedora Linux btw. Uses Helix, btw. Did you know Helix is written in blazingly fast, memory safe Rust? It works with plenty of languages out of the box, only requiring an LSP installation, btw.

WHAT IS YOUR FAVOURITE KITCHEN APPLIANCE / UTENSIL?

- Kitchen-er
- stove x2
- rice cooker x5
- sink
- microwave
- spoon x3
- chopsticks
- Neon teal WUSA branded chopsticks
- air fryer x3
- spatula
- cheese grater
- eggbeater
- toaster oven
- colander
- Cast iron pan
- Immersion blender x2
- frother
- mandoline
- juicero press

- the chopsticks with tiny cats on them that my friend bought for me in Japan thanks Vista
- my hands
- Rolling garlic press
- Bread Machine
- pink toaster
- Instant Pot x2
- frying pan
- cup
- kettle
- oven
- chef's knife. love sharp thing
- freezer



mathgeek

THREE SONGS FROM THREE DEAD VOCALOID ARTISTS

1. *Unknown Mother-Goose*¹ by wowaka. wowaka is often described as one of the most influential producers in Vocaloid history. This song is one of his most popular works. At a time when Vocaloid culture sat at a turning point from niche and community-oriented production to commercialized and public-oriented production, wowaka asked himself, “What can I do with Hatsune Miku now?” As the scene continued to be filled by creations that are merely clones of others, he called for producers to scream and make their loves for creating legible. And thus Vocaloid is this medium where the love is reflected and expressed. *Unknown Mother-Goose* is the last song wowaka ever produced and released, before he passed away in April 2019 (aged 31).
2. *lapis* by SHIKI. Due to feeling guilty about dragging his previous teams down, SHIKI led his own team, with the name “I don’t need friends,” for the BOF 2008 contest², being the only music producer on the team. *lapis* is one of the songs he submitted, which ended up being voted as the best song of that contest. His team got the highest overall points, making it the first team to ever win at a BOF contest with only one music producer. SHIKI is also quite influential in the rhythm game

music scene. He heavily inspired one of the main melodies of the iconic song *Freedom Dive*. SHIKI passed away in July 2021 (aged 40).

3. *Toriaezu Anataga Inakunaru maen?*³ (*For Now, Before You’re Gone*) by siinamota. This song was published by his music label, U/M/A/A, four years after he died. The second half to this song features vocals from the deceased artist himself, which felt considerably powerful and moving. You probably know siinamota from his most popular song, *Young Girl A*⁴, which features a pen drawing of a girl over a blue background as the cover art. The girl has her eyes covered by thick strokes and anonymized to a titular label — 少女 A. Siinamota started producing Vocaloid music when he was 14, and passed away in July 2015 (aged 20).

beef

1. アンノウン・マザーグース
2. BMS OF FIGHTERS, an annual contest for rhythm gaming levels (BMS = Be-Music Source) and their accompanying original songs
3. とりあえずアナタがいなくなるまえに
4. 少女 A was also the most viewed Vocaloid song on YouTube for a while.

MAKE A PUMPKIN SCONE!

YOU DESERVE IT

The best part of fall is the vibe it brings, and your fall vibes are never complete without something pumpkin-themed. These pumpkin scones are my favourite fall thing to bake, they come together surprisingly quickly and hit the spot every time. Enjoy!

1. Preheat your oven to 400°F with a rack in the middle of the oven, and line a baking tray with parchment paper.
2. In a large bowl, whisk together 2 cups of all purpose flour, ⅓ cup of brown sugar, ½ tsp ground ginger, ½ tsp ground cinnamon, 1 tsp baking powder, ½ tsp baking soda, and ¼ tsp salt.
3. Cut ½ a cup of cold (but not solid) butter into small pieces and blend into the dry ingredient mix with a pastry blender, a fork, or your hands. The mixture will come together like crumbs, or damp sand. Then, stir in ⅓ cup of raisins, white chocolate chips, or any other mix-in you’d like. Butterscotch chips also work great here.
4. In a separate bowl, mix together a ½ cup of buttermilk with a ½ cup of fresh or canned pure pumpkin (not pumpkin pie mix!) and 1 tsp of vanilla extract. Then, mix that into your dry ingredients just until the dough comes together, being careful not to over-mix.

5. Transfer dough to a lightly floured surface and knead a couple of times until it holds together and is not too sticky to touch. Pat into a circle that is about 4 cm thick. Cut this circle into ~8 pie-shaped wedges/triangles. For smaller scones, slice into even more wedges. Place each one on the baking sheet, spaced slightly apart so they don’t merge while baking.
6. Brush the tops of the scones with an egg wash, made by mixing 1 large egg with a tablespoon of milk or cream. If you can, you may want to place your baking sheet inside a second baking sheet to prevent the bottoms of the scones from overcooking (not required).
7. Bake the scones for about 20 minutes, or until golden brown. Cool on a wire rack, and enjoy! Happy fall.

BeesKnees

I cannot remember where this recipe originated, no matter how much I try. I hope the original author is doing well and still making these yummy scones.

WRITERTHOUGHTS #4

QUESTION: WHAT IS SOMETHING NEW YOU'RE TRYING THIS TERM, AND HOW ARE YOU GONNA ACHIEVE IT?

New term, new—wait why is this being said now. As midterm season comes by, and the batch of Waterloo students experience their first midterm some start to look for anyway to relax. Some though are knowledgeable enough to join **mathNEWS**. Midterms is a time of horror, despair but also hope and yearning for November. In honour of midterms let's remind us of life beyond them, today's question is **what is something new you're trying this term, and how are you gonna achieve it?**

WAFFLE

I am currently attempting to think more; it's going pretty well

MRBLLUESKY

Get the P (Probability) Actuarial Exam done. Planning to get this done through studying many hours, a concerning amount of hours. As well as going through customer support because it isn't letting me sign up, like bro please let me give you money so I can suffer through writing the exam PLEASEEEEE (Update I got it to work!!!!)

GOOSEHATER70022082*

Exterminating all geese and geography/flag buffs

Giving both weed brownies in varying amounts

FLOWERYYY_

Improve my art skills !! I wanna use figma for digital art more often as well as practise with my oil pastels!!

PLANET B612

gonna try going to the gym regularly w my friend o(∇^)^o

ANONYMOUS

Getting up on time, hopefully setting several more alarms will do something

ASPIRO

Soccer intramurals! I signed up as an independent, and playing goalkeeper since I can't play soccer (yet).

ANONYMOUS

romancing a vampire in bg3 (*Baldur's Gate 3*) by being as horny as possible

FINGERSINSOCKETS

trying to be employed for the first time ever, but idk ig using linkedin and indeed

AXON_TERMINAL

not being an exec of a wusa club for the first time since 1A. I am free. however this will be a difficult thing to maintain

DOLLAR STORE PERSON

i am trying to write LESS **mathNEWS** garbage and i do not have a PLAN it is FINE i will use my self DISCIPLINE because that shall take me FAR i believe i manifest i got this

BEYOND META

Learn how to juggle, by practicing



As well, **writerTHOUGHTS** has an official apology to make. For the orientation article in **mathNEWS** 162.0, writerTHOUGHTS. #3, an entry was not added even though it deserved to be. That was my bad and as such below is the unreleased, unedited answer to the question: **Why do you write for mathNEWS?**

DOLLAR STORE PERSON

mathNEWS to me is a major outlet for my thoughts and creative ideas that I can't get out elsewhere. i love writing and voicing a variety of different thoughts and i know my words would be appreciated and read like you're doing right now. the community is also amazing and i've made and continued so many friendships. i'd even recommend writing for **mathNEWS** solely for pizza because who doesn't love free dinner? i love **mathNEWS** pizza i love **mathNEWS** community i love **mathNEWS** <3

writerTHOUGHTS

*Fun fact, this was a targeted answer against me. I may have signed my good friend up for the **mathNEWS** emails since it is an important thing for students to know. Using the Discord invite, he got in and sent in a response targeting me as a goose/flag lover. Idk I just found that funny



MATHNEWS CROSSWORD

USING ONLY THE LETTERS IN "mathNEWS CROSSWORD" EXCEPT FOR THE FOURTH LETTER IN 2 DOWN



crimson

THE DEVIL'S COCKTAIL

WHAT TO DO IF YOU GET SICK DURING MIDTERMS

Thanks to our living and learning at an overpopulated cesspool disguised in concrete (the University of Waterloo in the fall) it is likely that you are, have been or will be sick. You may think "I have a great immune system," that doesn't matter. It IS coming for you and it WILL get you. If by the grace of god (lowercase for he has no authority in this place) you get sick at a convenient time when you don't need to study, count yourself lucky. If by the grace of Murphy (see the law) you get sick right in time to take five midterms in a row for a week straight, this article is for you.

Here is how I survived hell week while very ill!

STEP 1: THE MATERIALS

You will need drugs. There is no way around it. Midterm week is not the time for holistic homeopathic medicine. Please acquire: NyQuil, DayQuil, cough syrup and lozenges. All likely sold at your local pharmacy.

STEP 2: BETTER LIVING THROUGH MODERN MEDICINE

Take a shot of DayQuil upon waking

Take cough syrup as needed throughout the day

Take Halls as needed throughout the day

Take NyQuil to sleep

That's all the steps! With this regime of chemicals, you won't feel good, but you will be functional and that is the important thing during midterms. I have no clue about the relative health risks/benefits of this course of action, I only know it works.

TL;DR: Drugs? Yay?

(IT'S CHILL)

At the time of writing this, I have an Algorithms test in a few hours (which overlaps with **mathNEWS prodNIGHT** (which sucks (because I like coming to **prodNIGHT**) (also I haven't written an article (because the past two weeks have been busy (co-op interviews (one in-person (it was chill) and two online (for one of which my webcam broke right before the meeting (so I troubleshooted (multitasking) mid-interview (turns out the fix was to press really hard on the camera))) (the other was chill) (did I really need to wear that nice shirt?) (it's kinda awkward when all of your end-of-interview questions have already been answered))) (assignments (at least I finished the Operating Systems assignment the evening it was released (because I'm the kind of person that does programming assignments for fun (I miss Racket))) (a thousand praises to online quizzes that skip questions I got right on subsequent attempts (while still allotting the same time limit))) (the UWaterloo Game Dev Club Game Jam (72 hour time limit) (the theme was Drift) (it ended the day before time of writing) (developed a game solo (with most of the assets done in Google Drawings (probably could have used something better) (the backgrounds were just a few random textures I pulled from somewhere (and modified))) (I love tweening) (realized why no one gives separate collision physics responsibility to each individual body)) (I really fumbled the 3-minute showcase (didn't I)) (a lot of really cool games people made (shoutout to Yuri in Space (and Yuri in Space (and Yuri in Space))) (I love free pizza (partially why I like **mathNEWS**))) (I do have a few drafts lying around (I've barely touched them (they need a lot more time (which I don't have presently (but soon I will (hopefully)))))) (sorry in advance to the editor reviewing at this article (I think all (or most) the parentheses (or brackets) are balanced? [*Editor's note: they were not*] (sorry in advance (again)))) (if I'm fast enough (only a floor away) I might still get the free **mathNEWS** pizza (for submitting an article) (unless pizza voting goes horribly wrong))

(pseudonym)

HOW MANY OFFICE CHAIRS ARE THERE ON CAMPUS?

ARE THERE MORE DOORS OR MORE OFFICE CHAIRS ON CAMPUS?

is a double door one or two doors?

what is an office chair?

huh?

smallmouthbasshater

HOW MUCH OF YOUR SOUL WERE YOU WILLING TO SELL?

He asks you, just not in those words, and you open your palms, look down at the lack of the dimes in them and say nothing. Just duck your head, one quick nod. The only silent acknowledgment of the evil you were willing to let in.

But you don't have to think about that, do you? Not when you're sitting at the office desk, just sweating about being possibly seen as nothing more than an incompetent intern, only focused on making your work a technical marvel of the modern day. Nevermind that meanwhile, millions of miles away, the drought dries and cracks the earth under foreigners' feet. It's not your problem as you commit the code that rotates the red eyes of surveillance drones that will drive the impoverished from the streets. It's not your fault, when the bombs finally fall, that it was your fingers skittering on keys fifty years ago that sent them streaking to their final destinations.

It's not your fault—you tell yourself that, tell your superiors that, tell history that. History was bound to end in flames anyway. If not you, it would have been someone else there, all too eager to hasten it along. The acceleration of progress towards the inevitable end is, above all else, a work of engineering to be proud of. And God does it pay the bills like nothing else.

It's only what anybody would do.

And you go to bed at night with no guilty conscience. And somewhere else you don't have to worry about, people with loved ones begin to scream.

e

YSK: WPL RENTS OUT BINOCULARS

I love autumn because I love going outside, and autumn is the best time to go outside!¹ And whilst you're outside admiring the lovely amber and golden trees, why not admire them a ~~bit~~ lot closer.

Waterloo Public Library, which you can access easily if you are a Waterloo resident, rents out "outdoor nature kits" for birdwatching for up to three weeks. Although they claim to be for birdwatching, they are really just an excuse to get a pair of fairly powerful and compact binoculars. They also come with some pocket books on identifying birds, butterflies, caterpillars, and flowers. You can glean more information about them at <https://www.wpl.ca/browse-borrow/cool-things/outdoor-nature-kits/>.

The closest branch to campus is at uptown, near the park. If your driver's license shows you living at a Waterloo address, you can show up to get a library card (otherwise, bring proof

of address; see their website for details). And once you have a library card, you can place a hold on a kit.

A SMALL REVIEW

Admittedly, I got the kit for stargazing. Although maybe I should go birdwatching someday. The binoculars are a pair of 10x25s, so they aren't ideal for stargazing, but they are much better than your naked eye. And they are still pretty powerful! I have been able to read signs at a distance of 2.3 km!

So far, I've been using them to observe the delicious trees and lovely clouds that surround us. And it's been never-ending fun. All for free!

aaqsr

1. [Citation needed]

PETITION FOR GEOG 310 TO REMAIN!

Shorter one for my second **mathNEWS** article, but GEOG 310 is a course that is no longer being offered after this term. I am currently taking it as a requirement, but I think it's underrated. The basic premise is that you get to go outside twice a week and do field work such as surveying land through levelling and traversing with a total station. It lasts for half the term and ends before reading week (because it gets colder than winter). The profs, TAs, and most of the other students are enthusiastic and have a passion for the topics taught/learned. If this is something that interests you, let's please petition for this course to remain. It is at the intersection of

Geography and Aviation, so reaching out to WAGS should also represent us.

tarball-uwrqc

<https://uwflow.com/course/geog310> (ignore the reviews from several years ago, they severely nerfed the course after, such that there are no more quizzes, tests, and final exams)

HIIIIIIIII

This is my first time here. Awesome. I spent the whole time talking to the Game Dev Club president and he showed me a bunch of games that were really cool. Game Dev Club watch out I WILL come to one of your meetings... one day...

DC

THE COOP SEARCH IS ABYSMAL

You see, going into Waterloo I knew nepotism was powerful. I knew that it helped bridge the gap between being an unknown applicant and getting an interview. But holy crap, nepotism can get people jobs they are NOT QUALIFIED TO HAVE. HOW IS IT SO POWERFUL.

I'm in the trenches of applying right now: 70 WaterlooWorks, over 100 external, and NOTHING. JACK SQUAT. Waking up to multiple rejection emails is practically a daily ritual now. I keep wondering: is mechanical engineering dead? Is Claude taking over our jobs? Am I destined to be a lifeless zombie slaving away at minimum WaterlooWorks wage writing SOPs and reports for all of my life?

Maybe its just too early, maybe I'll get ALLL the interviews after midterms. Maybe I'll actually break into big tech 🐼🐼🐼 I'll keep y'all posted, maybe Tesla is looking at my application RIGHT NOW and they'll book my interview the SECOND I post this article.

Or maybe not.

Stratus

DEAR INTERNATIONAL STUDENT, THIS ONE IS FOR YOU.

To the people who don't know if it's torch or flashlight (because back home it was torchlight).

To the people who try to find food like home's, but it's not quite the same. (I miss my mum's cooking!!)

To the people who used the metric system and are now learning to use imperial (to avoid sizing mishaps. Unlike me.)

We moved hundreds of miles to be here. It's hard a lot of the time, but definitely worth it at the end of the day, no? Keep your chin up, and keep doing your thing <3. I know you can!

FarFromHome

MMPH CARBAPFLES



Honk damn I love crabapples

I follow humans to cross roads for them

It's even better when they're sweet and mushy because then I'll feel like I'm flying even when I'm not

If humans knew how good they tasted then I'd be honk out of luck, but they don't eat grass or dandelions either so they don't know what they're missing out on

mmph carbapfels

TotallyNotAGoose

Crunchy crunchy, they really go a munchin' on them apples

It's rather entertaining

You should stare a goose down one day as it goes crazy on a pile of apples—they totally won't start waddling away to a local lemonade stand and ask for some grapes as polite as a Canada may.

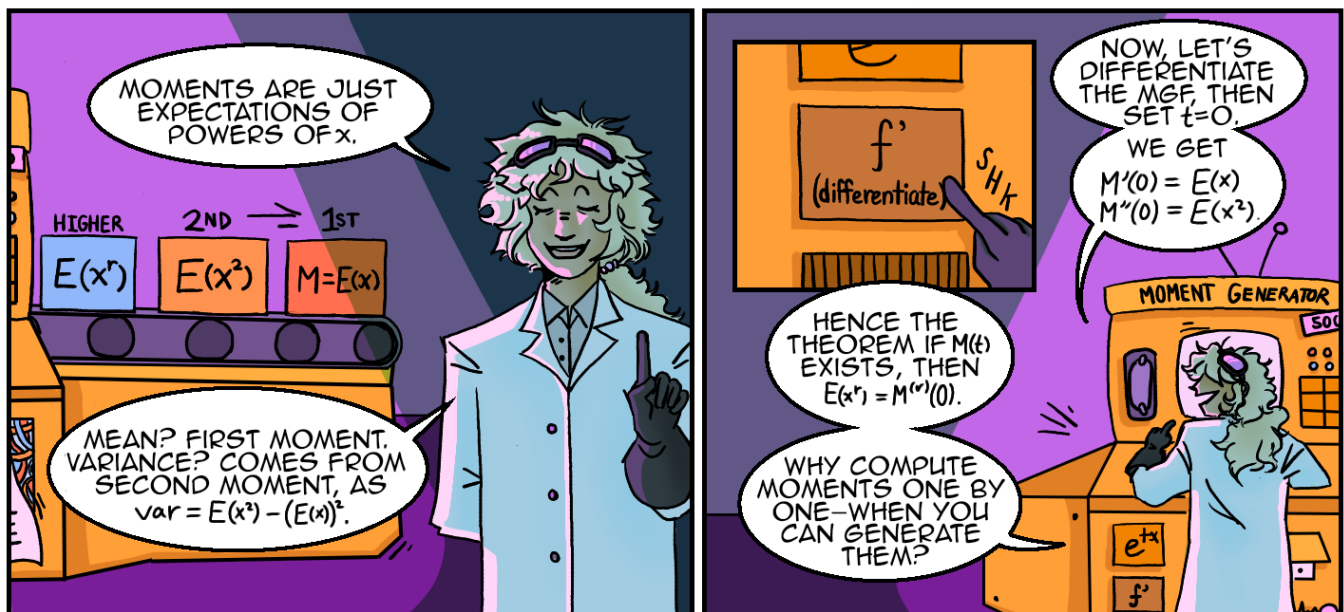
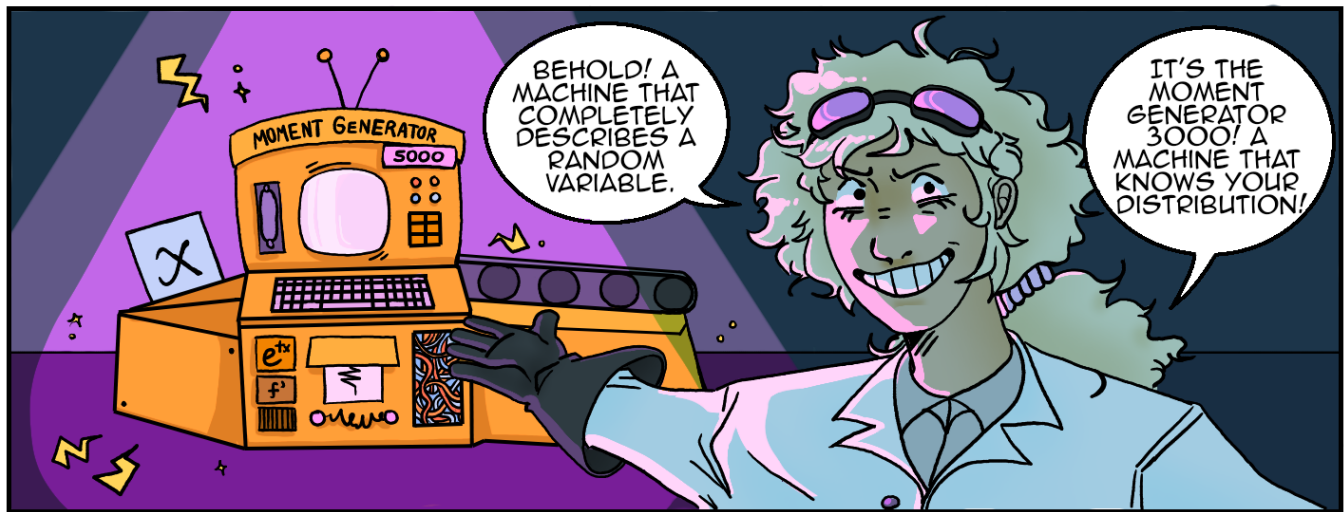
MAYBE TRY DUCKDUCKGO ME WHEN THE SEARCH RESULTS ARE ACTUALLY RELEVANT???

I feel as though more people should be aware that DuckDuckGo is actually quite nice. As someone who tries to stay away from AI as much as possible (on the basis of I Don't Like It), I stopped using the Google search engine immediately after they introduced "AI Overviews" in 2024. I opted instead for DuckDuckGo—a search engine whose existence I was already familiar with, very similar in appearance and functionality to Google, and with a very handy switch in its settings menu... to disable AI features! That is, DuckDuckGo's AI features are optional, and setting every AI option to "never" or "off" has greatly improved my quality of life. But that's not all. Another reason why my experience with Google was so awful and why I was so quick to stop using it was the ridiculous prevalence of irrelevant ads. Thankfully, when using DuckDuckGo, I can avoid this situation by simply setting the "Ads" switch to "off." Also worth noting is noai.duckduckgo.com, which is intended to remain a way to search without AI even if new AI products or features are added to DuckDuckGo in the future.

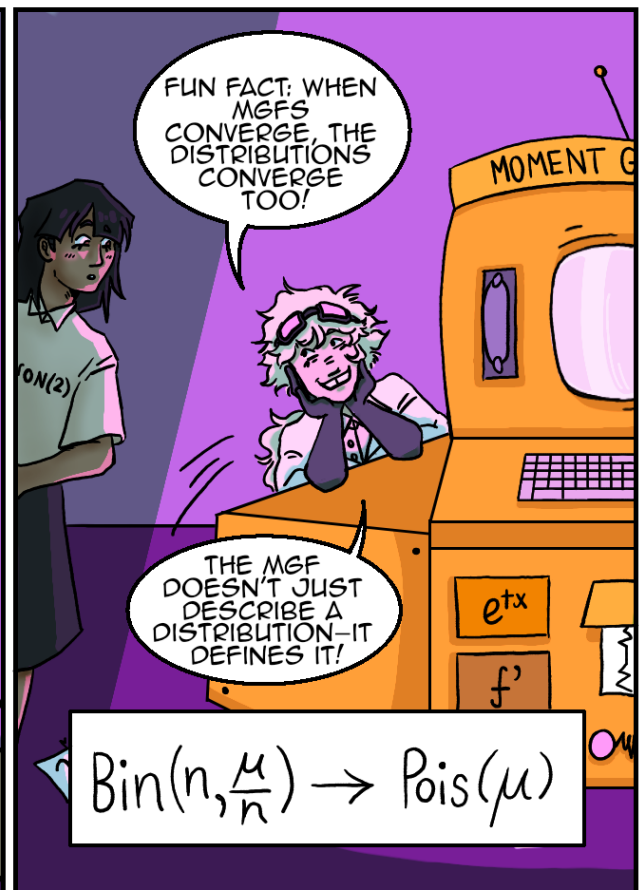
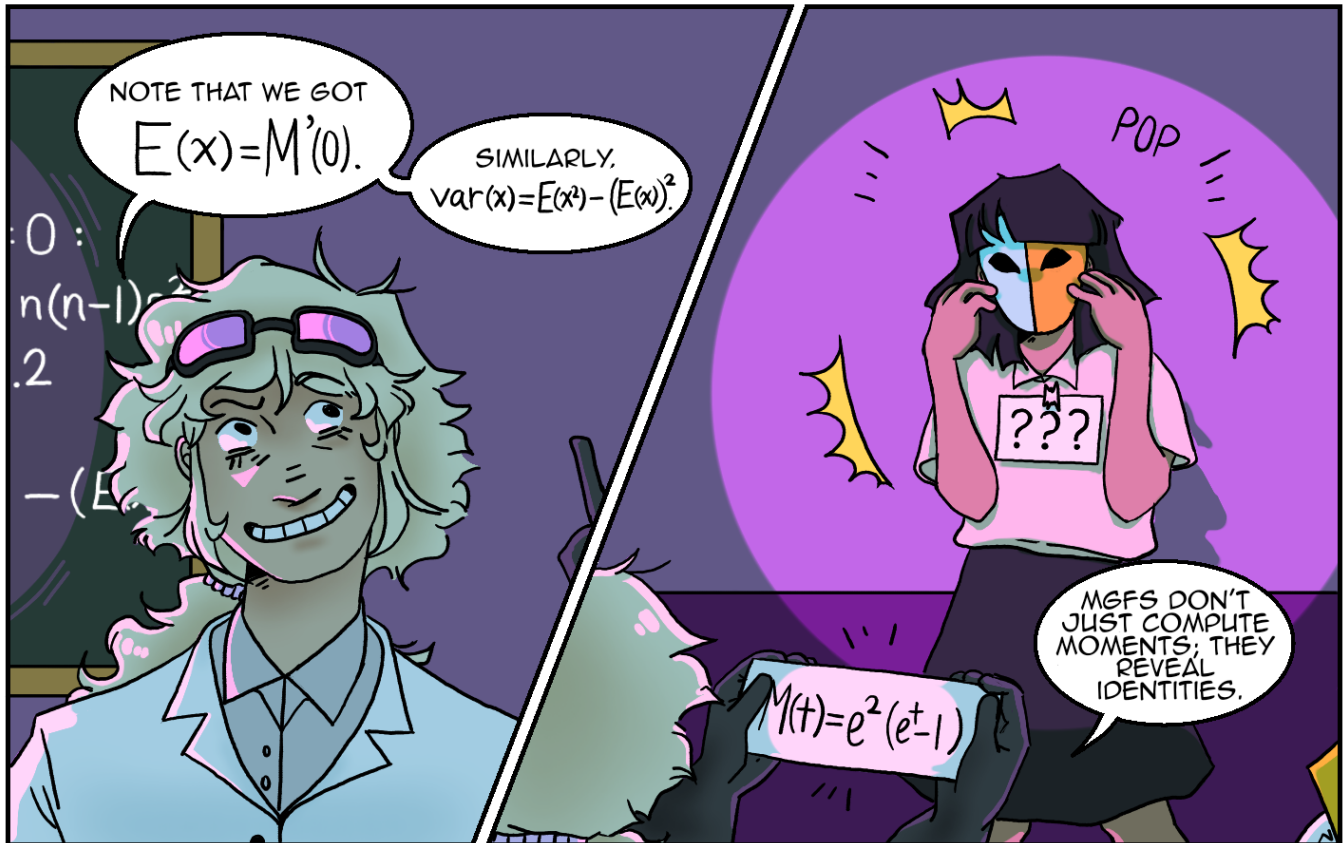
hblank enjoyer

STAT 230: MOMENT GENERATING FUNCTIONS

STORY BY ZUNAIRAH | ART BY KIERA M.







HAPPY NATIONAL CURIOUS EVENTS DAY

gridCOMMENT 162.2

a happy friday and soon-to-be reading week to all,

if any of you enjoy the nyt crossword, you might recall that a certain crossword last week was dedicated to the “national day” for the date that it was published on, which is a personal tradition i’ve maintained in my own **gridWORDS**s; every term, i try to make one of my **gridWORDS**s theme based on a national day being celebrated on the day it was published. this was pretty exciting for me to see, on top of some fantastic grid art (and all around an incredibly fun puzzle to solve), so of course i had to pay homage to the puzzle with my own diminutive version of their grid art and, of course, a “national day” themed **gridWORD**.

and what joy! upon searching up the national days for today, one of them matched perfectly to the spirit of a university student-run publication (among other less appropriate options), so happy national curious events day! how privileged we are to participate in an educational institution that affords us opportunities for exploration and learning to quench our curiosities. and right as midterms are upon us! oh how much learning WE will be doing. never forget to take advantage of all

the amenities and resources offered by the campus that your tuition dollars pay for, and make the most of your time here.

okay great!!!! now that we’ve moved on from my longer-than-usual spiel about the **gridWORD**, let’s get down to business. last time, i asked you all: what is one goal you have for yourself this year? and you all said

- *terminally sane*: win the **gridWORD** prize
- *The puzzler*: attend every prodnight!!

allow me to help you achieve your goals, *terminally sane*. please pick up your prize at mc 3030, the **mathNEWS** office!! the **gridQUESTION** this time is: who is your favourite member of the bernoulli family and why? please submit your completed **gridWORD**, **gridQUESTION** answer, and a pseudonym to mathnews@gmail.com or mc 3030 the **mathNEWS** office by mon oct 19 6 pm. thanks guys and i’ll see you next time on

spaghettiiinhalers

ACROSS

1. Small tropical American dog
5. To the rear
10. ___ of Man
14. Seduces
15. ___ cotta
16. Flabbergast
17. Titanic construction locale*
20. Thin, narrow groove
21. Zinger
22. Allows borrowing
23. Serve, colloquially
24. “R” in some PC games
25. Hallucinogen
26. Dummkopf
28. More curious*
30. What crashed at 42-Down*
33. Tongue structures
36. Poker-faced
39. Made up (for)
40. Early spring bloomer
41. More careful
43. A person, perhaps
44. Conclusion
45. Kind of situation
47. Yoga need
48. Approx.

51. Female sib
52. Consume
54. Affliction of a 1374 Strasbourg plague*
56. Soaked
57. “The War of the Worlds” broadcast medium*
60. Bothersome
63. Leave in, to an editor
64. Skirt style
65. Level, in London
66. School subj.
67. Polished
68. Pot addition

DOWN

1. Barley beards
2. Booty
3. Written exchanges
4. Old Roman port
5. Had
6. Triangle in the North Atlantic Ocean*
7. ___ Schwarzenegger
8. Finely porous, in glassmaking
9. Gob
10. Flannan ___ lighthouse disappearance*
11. John Mulaney, for one
12. Bergman in “Casablanca”

13. Quits
18. Sombrero or skimmer
19. Corner piece
26. With speed
27. Devil
28. Antiquated
29. Scout’s mission
31. It’s a part of life
32. Beginning
34. Hostel
35. Flower necklace
37. Branch
38. Buck’s partner
42. New Mexico crash site*
43. Michelangelo’s ___ Chapel
46. Hot dog
49. “Great ___!”
50. Mark of perfection
52. Ashes holder
53. Pelvic bones
54. Gossip
55. Against
58. Acad.
59. Curved molding
61. ___ deferens
62. Comical shriek

Drop your gridWORD solutions off at MC 3030, or over email to mathnews@gmail.com. Correctness optional.

A mathNEWS EDITOR WHO ENJOYS CREATIVITY

1	2	3	4		5	6	7	8	9		10	11	12	13
14					15						16			
17				18						19				
20						21				22				
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26	27				28				29			30	31	32
33			34	35				36		37	38			
39									40					
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44					45		46					47		
		48	49	50		51				52	53			
54	55					56				57			58	59
60					61				62					
63					64						65			
66					67						68			

What's my favourite menu item? I'd have to say it's the sausage biscuits for breakfast.

PROF. JEFFREY SHALLIT

lookAHEAD

SUN OCT 11	MON OCT 12	TUE OCT 13	WED OCT 14	THU OCT 15	FRI OCT 16	SAT OCT 17
Thanksgiving Day			Be Bald and Free Day	White Cane Safety Day	Final examination relief requests due Last day to select an examination centre or submit a proctor for online course final examinations	Wear Something Gaudy Day

SUN OCT 18	MON OCT 19	TUE OCT 20	WED OCT 21	THU OCT 22	FRI OCT 23	SAT OCT 24
Reading Week ends mathNEWS 162.3 prodNIGHT QNC 2501, 6:30 PM	International Chefs Day	First Cycle 2 job postings close (9 a.m.)	National Nut Day	mathNEWS 162.3 released Convocation—Fall 2026 Tuition and fee refund deadline—50%		Convocation—Fall 2026

LAST ISSUE'S gridSOLUTION

1	A	2	L	3	P	4	E	5	R	6	R	7	S	8	O	9	F	10	F	11	E	12	R
13	W	O	R	N	14	M	O	I	L	15	S	A	B	R	E								
17	A	S	E	A	18	C	A	L	A	19	M	I	T	I	E	S							
20	R	E	S	U	21	M	E	R	E	V	I	E	W										
22	D	I	T	T	I	E	S	28	P	R	O	S	23	T	R	A	24	S	25	H	26	Y	
27	S	T	O	I	C	31	C	A	B	A	R	E	T	30	P	I	E						
						32	A	S	I	N	O	N	I	34	C	A	M	P					
						33	B	I	F	O	C	A	L	36	H	T							
37	S	38	E	A	L	41	J	E	S	S	42	M	O	L	A	R							
40	A	R	P			43	P	U	E	R	I	L	E	44	A	R							
46	T	A	S	S	E	L	47	P	U	E	R	I	L	E									
						50	P	R	O	G	R	E	S	51	S	I	V	E	S				
53	B	54	A	L	U	S	T	R	A	D	E	56	N	E	X	T							
57	A	L	A	T	E	58	A	V	E	R	E	59	E	R	I	E							
60	P	I	D	A	Y	61	M	E	S	S	62	S	A	D									

- 1. Juror 8
- 2. Juror 9
- 3. Juror 11
- 4. Juror 6
- 5. Juror 4
- 6. Juror 5
- 7. Juror 2
- 8. Juror 1
- 9. Juror 3
- 10. Juror 12
- 11. Juror 7
- 12. Juror 10

fingersinsockets

note that the ranking isn't equal. for example, the gap between juror 1 and 3 is way bigger than being placed 8 and 9 make it seem, and the distance between juror 1 and 5 is quite small.

Want to advertise
your campus
club or event in
mathNEWS? Email
us an article, or come
to our next production
night!

We'll do anything for
more filler content.

THE EDITOR DOOMSCROLLING
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