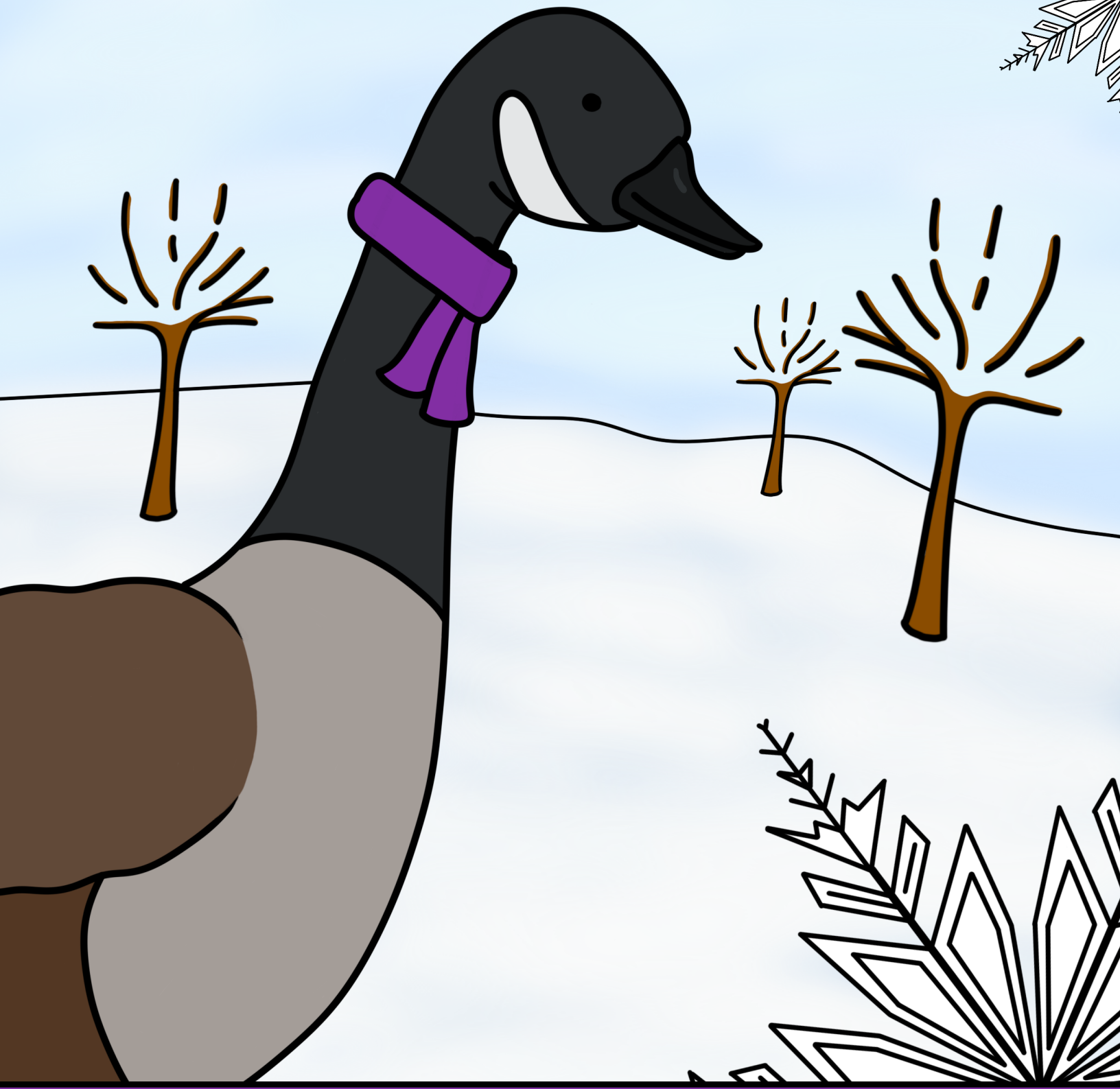
W2024 Issue 1

THE IRON WARRIOR

Unveiling Student Journaling Habits

A Guide to the UW Engineering Tunnels

The World of Student Design Teams



MEET THE TEAM

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Unveiling Student Journaling Habits

Cathy Quan 3B Life Physics

With the first month of the year being over, many people who started or revisited journaling are falling off. We asked the engineers around us and it's revealed that 81.8% of you journal, that's a lot! However, 72.7% of those surveyed admitted that the reason they don't journal is due to the lack of time, with the next two issues being lack of inspiration and motivation. These are some of the many problems you may have fallen victim to.

Many of us who started journaling have heard that one must journal every single day, and if you skip a day, you are a failure and will never accomplish your dream journal. Journaling every day is not sustainable for most of us; I definitely don't journal everyday. A trick you can use is opening your journal to the current page in an area you will see often. This way when you have the urge or need to journal and have a moment, it will be ready for you. I like to leave a pen and marker beside mine as well. If it starts becoming boring or feels like it's something you have to do to cross off the to-do list, stop! Take a break; why would you force yourself to do something you don't enjoy? For those of us who enjoy the routine, if you want to build a habit of journaling on a schedule, start small, one sentence a day or a small paragraph. Over time it will build into multiple entries, and only add onto it when you want to or feel ready to do so. One day you might feel like writing more and the next day you might want to go back to one line, that's okay!

There are lots of people who want to start journaling but they don't know what to write. You don't have to write or draw. If you are good at collecting things, junk journaling might be for you. You can still write and draw within your journal if you'd like but they can also be short captions or little notes. You can tape in receipts, tickets, cut up maps, insert business cards, print out pictures, anything you saved - even candy wrappers. Essentially it's a smaller scrapbook. This method is also good if you get stuck. I like to implement a junk journal page when I have nothing to say.

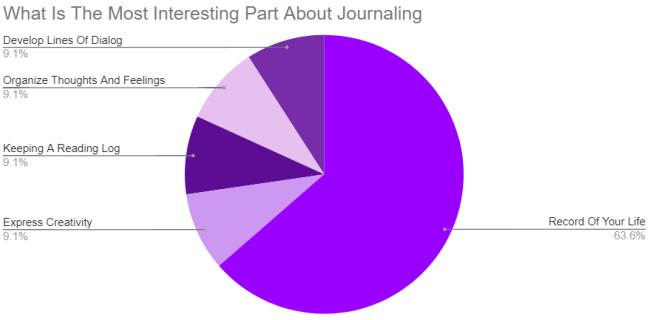
We've all wondered what would happen if someone were to read our diary as a kid, and maybe it happened to you (which in that case, I'm sorry). However, I promise you no one actually cares about the contents of your journal. They might be curious knowing that you keep a record of things, but unless they are evil, they aren't going to care. Many people who journal do not reread their entries. Of course if the purpose of your journal is to keep memories it makes sense to look back on it. However, if you use your journal for thoughts that you keep overthinking about, then you may not be among those who reread theirs. If you have something on your mind constantly and you write it down with the purpose of getting it out of your head, why would you reread it and put it back in your mind? If you are always writing with the intent of someone else reading it or yourself going back to it, you may want to try stream of consciousness journaling. Stream of consciousness journaling is when you sit down and you write anything your brain thinks of, kind of like a brain dump. You can even set a timer for a couple of minutes and don't stop writing until the time is over. This will help your journal feel more like yours instead of for someone else.

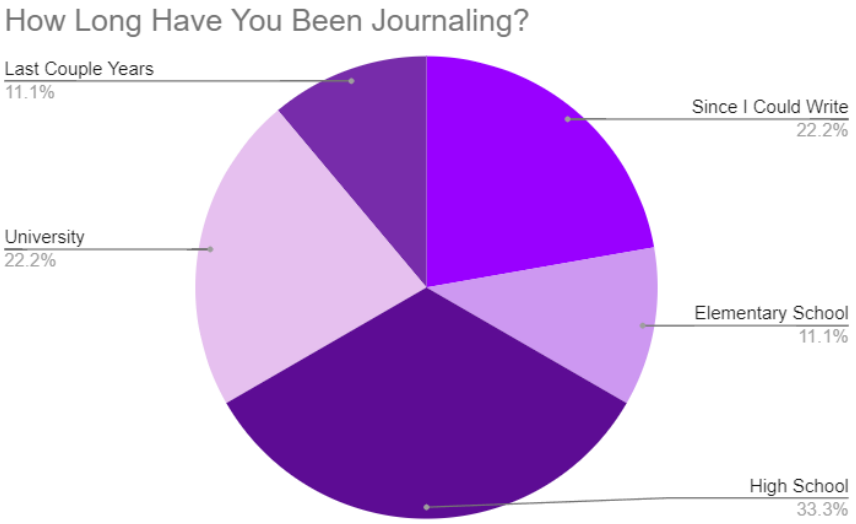
Your journal doesn't have to look one way or another to be effective, online there are many journals that look beautiful and filled with stickers and entries but yours doesn't need to be if you think it is too much. If you like structure you can develop a format that you can follow. For example, in my personal journal I start and end every entry the same way and that makes me really happy. You can use a loose sheet of paper to try some different formats if you don't want to apply it to your journal right away. If you are using a journal with the intent of it being more of a catch all type of book, you can just go at it, write things you need to remember, dates, lists, anything you need to remember or keep track of. It doesn't need to be neat, and the only person who needs to understand it is you. Realistically you are not going to be sharing your journal to people or post it anywhere, so it should be whatever you need it to be.

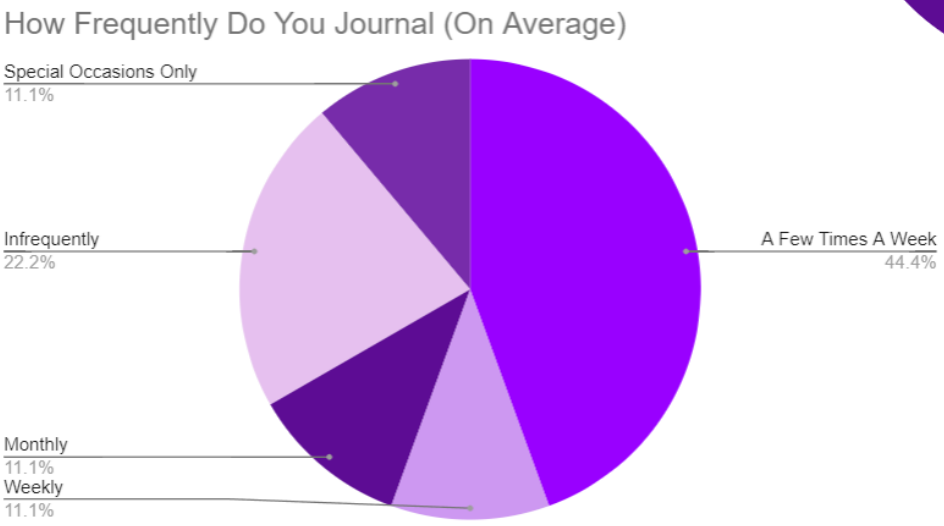
The type of journal you are using might be causing you to lose motivation. I personally use an A5 grid notebook, with 112 pages. This is a great size and option for me, however, for you it might be daunting to open to a book this size. You might feel that no matter how much you write you are not filling it up, making it appear as if there is a lack of progress. On the other side of things, having a smaller notebook might feel more comforting, knowing that you might be able to fill it up more and feel as if you are making progress with your journaling. Again there is a downside to a smaller journal. Some people feel like because if they have a smaller journal, they can only document the most important events in their life because there are only so many pages. It is also important to consider the price point of your journal. This ties into being afraid to waste pages on your journaling experience. Even if you purchase a larger journal, but you got a really fancy or expensive one, you may feel afraid to use it, that your thoughts and experiences are not worth noting. Some high quality affordable ones I like to use are from Leuchtturm1917. Moleskine is also really popular, and both brands have a wide range of sizes and paper weights for heavier mediums. If you'd like an even more affordable one, on Amazon there is a brand called PAPERAGE, they are the same build as Leuchtturm1917 and Moleskine, however, the cover will not last as long. Journaling digitally is also a nice option with editing and searching being available, though it may pressure you to go back and edit your words constantly.

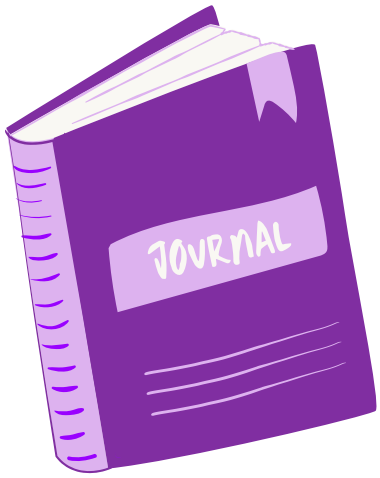
Now dust off your journal and get to it because now is the right time to start... or tomorrow. Happy journaling everyone!

Photo Credits: Suhyma Rahman, SYDE 2025









A Guide to the UW Engineering Tunnels

Julia Suljak 3A Chemical

It's -20 degrees outside (but feels like the Arctic with the windchill) and you're working on some assignments at the DC library because you had a break between classes that was longer than normal. Suddenly, you check the time and realize you have a lecture in RCH in less than ten minutes, so you pack up your bag and head out to brave the cold. You walk through the quad and take what you believe is the fastest way there (take your pick at what you think that would be), barely making it to class on time. Your feet are wet, your cheeks are red, and your nose is running because your boogers are no longer frozen. Sound familiar? Whether it's getting splashed on the sidewalk from a car driving by or slipping on ice, there are many reasons to try and limit your time walking outside in the winter. One way of doing this when you're on campus is to take the tunnels and bridges that connect the buildings. It may seem daunting at first, so to avoid getting lost, here's a guide to some of the most useful shortcuts in the engineering buildings.

First, the easiest and most obvious ones are the bridges that you can see between E3, E5, and E6. Of course, most people know the E5 bridge because they take their LinkedIn profile picture there. These bridges are by far the nicest and least sketchy-looking. The other most obvious bridge is the one from the third floor of DWE that crosses University Avenue. It has some broken windows that have been "fixed" by putting tape over them, but it is functional and can be quite helpful if you need to cross the street.

Now, let me take you through a route that involves nearly all the engineering buildings on campus. Say you have a lab in DWE followed by a lecture in E6 (which probably only happens if you're in Chemical Engineering, but maybe we're not alone). You can actually get there without having to step foot outside at all. DWE, RCH, and E2 are all connected, with the second floor of RCH connecting to the first floor of both buildings. Instead of going through RCH, there's also a connection to E2 on the third floor of DWE. There is one thing to be aware of in DWE though, which is that it connects to CPH in a few different confusing ways. You might go up a staircase in DWE and at the top it says you're in CPH. So just be careful with that one.

Let's say you successfully got from DWE to the first floor of E2. Now you will want to walk through E2 until it turns into E3, which involves making a turn while you're walking down that long hallway. You'll know if you've gone too far, because at the end of that

hallway E2 turns into CPH. If you find the correct place to turn, you'll walk by the Lever Lab and up a set of stairs to get to E3.

It might be easy to get lost in E3, but keep walking straight and turn right when you walk by the machine shop. At the end of that hallway is a door leading to a set of stairs. Walking to the top of these stairs takes you directly to the E5 bridge. Once you're in E5/E7, the bridge to E6 should be pretty easy to spot on the third floor. Congrats, you made it!

Of course, there's more than one way to get to most buildings using the tunnels, so let's go over a few other helpful tips around the engineering side of campus.

The Physics building and EIT Centre are very useful connections if you want to get to DC. The top floors of Physics and E2 are connected with a bridge, and walking straight through the second or third floor of Physics will bring you into EIT. This is another building that might be easy to get lost in, especially if you get distracted by the Earth Sciences Museum. If you stay on the second floor of EIT after coming in from Physics and turn right (turning left will lead you to tunnels around the science buildings), walking through the ECE department offices should lead you to a sign on the wall that says "To the Davis Centre" with arrows showing which direction you need to go. If you're lost, this should help you get to the bridge to DC, where there are lots of other bridges connecting to SLC and the Math buildings. There's also a staircase connecting to E3 right after the bridge from EIT, which could lead you to E5 in the same way outlined earlier.

Unfortunately, there are no tunnels or bridges to the DP library. If you're going to study there instead of DC, you'll have to brave the outdoors.

Even with minimal knowledge of the tunnels, it can be easy to get lost or end up walking in circles. To limit the chances of this occurring, there are a few things you can do. Of course, the most logical thing one might think to do when being lost is to look up a map, but if you're in a tunnel that's underground, you may not have cell service and/or Wifi. But never fear, regardless of where you are in a building, there should be a map of the floor plan nearby. All of these maps have a large "You Are Here" box and are relatively easy to understand. Don't be embarrassed to stop and look at one; you're far from the only person who's needed to do that.

If all else fails and you're truly lost, the quickest way to get yourself re-oriented is to locate the nearest exit and walk the rest of the way to your destination outside. While this may not be the most ideal option, it's sometimes the only guaranteed way you'll make it where you need to go. That being said, the tunnel network around campus extends far beyond just the engineering buildings and can be quite fun to explore. So what are you waiting for? Armed with this newfound knowledge, you should be able to start reducing the amount of slush puddles you walk through on the way to your next class.

Photo Credits: Barath Arunachalam Nagendran, Master's Electrical and Computer

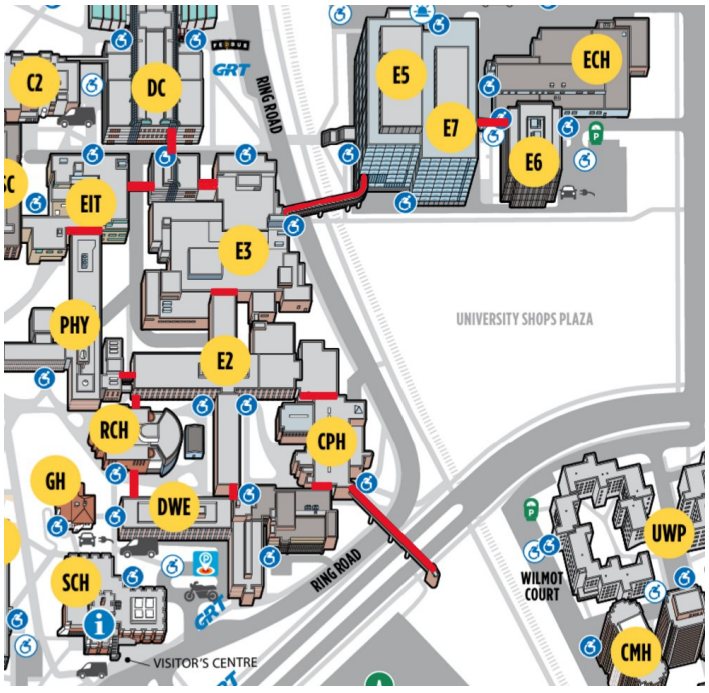


Photo Credits: University of Waterloo Campus Map. Source : https://uwaterloo.ca/about/sites/default/files/uploads/documents/fp2102-2022-campusmap-padded-tearoff_lr-final-ua.pdf. Engineering building tunnels mapped by Julia Suljak.

The Avatar Returns On Netflix

Athavan Gananathan 3T BME

In the mid 2000s, Nickelodeon was arguably at its peak in terms of cartoons. Ranging from *Spongebob Squarepants* to *Danny Phantom*, Nickelodeon produced so many iconic cartoons of that era. However, a cartoon that many had forgotten for a while before the 2020s was a show many would say did not fit the style Nickelodeon usually went for. I am talking about none other than the Asian-inspired fantasy TV show known as *Avatar: The Last Airbender*.

The show specifically ran from 2005 to 2008 and is about a boy named Aang who has been chosen as the Avatar, a protector who has the power to bend four elements that are based on the nations that make up the world: water, earth, fire, and air. He is tasked with defending the world from the wrath of the Fire Nation after being trapped in a block of ice 100 years ago. With the help of his many friends that he makes along the way, he hopes to bring balance to the four nations and put an end to a one-hundred year war. The cartoon is considered not just one of the best shows to come out of Nickelodeon but on television. Its unique blend of clever storytelling, creative set pieces, and their ability to show the beauty of Asian and Indigenous culture has made the show stand out among its contemporaries. Despite the massive success of Avatar, there have been some pits the franchise has dealt with. This includes a failed live-action movie in 2009 called *The Last Airbender* that many of the show's fans refuse to acknowledge. Also, there was the mixed reception of its sequel cartoon, *The Legend of Korra*. For years, Avatar has continued to never have a live-action version (again, 2009s version does not exist) and the franchise during the early 2010s was stagnant. However, by the end of the 2010s/start of the 2020s, things began to change. After Netflix added the show into its catalogue in 2020, it became one of its biggest hits to watch during that year especially during the COVID-19 pandemic. I should know, as I was one of those people who did that. And it was well worth my time.

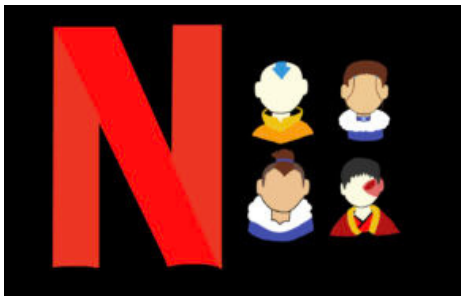


Photo Credits: Athavan Gananathan, 3T BME

In 2018, it was announced by Netflix that there would be a live-action adaptation of the show being put on their streaming service in the near future. After dealing with the pandemic, writers' strikes, and key individuals leaving this project, the live-action Avatar TV show is expected to release as 8 one-hour long episodes on Netflix on February 22, 2024. Here's what you should expect before it comes out:

Accurate Casting/More Love To The Show

To begin, the entire cast of characters set to be in this show will consist primarily of Asian-American and/or Indigenous actors in accordance with the show's portrayal of East Asian and Inuit culture within all of its episodes and storylines. The cast will properly cast the actors as of Asian and/or Indigenous descent, which already makes the show a better adaptation than its predecessor. Some of these actors may not be well-known by mainstream audiences, but will include the likes of Gordon Cormier (a Filipino-Canadian who will play the main character Aang) Kiawentiio (a First Nations/Mohawk actress who will play the waterbender Katara), Ian Ousley (who will play Katara's boomerang-wielding brother Sokka), and Dallas Liu (an Asian-American actor who will play as one of the show's antagonists, Prince Zuko).

This may seem obvious but that was one of the reasons why the 2009 movie failed so miserably. For whatever reason, the main Indigenous characters in the show (such as Katara and Sokka) were played by white actors whereas the Fire Nation, who were influenced by imperial Japan, were played by Indian actors including Dev Patel, an actor who rose to fame from the hit movie *Slumdog Millionaire* and ended up portraying Prince Zuko in the movie. It was stated by many to be a terrible miscast and showed a lack of appreciation of Asian and Indigenous culture altogether. It made it even worse that the film's actors were seen as lifeless and did not capture the characters' original essence from the show.

Albert Kim, the current showrunner of the Netflix Avatar adaptation, mentioned how he loved that this was a fantasy of sorts that was rooted in Asian culture, which is not common in major blockbuster fantasies these days. He said, "That was incredibly rare as it is. A live-action version meant setting new benchmarks for representation by featuring an all Asian and Indigenous cast." [1]

Speaking back on the Netflix show, it seems that from the photos and trailers that have been released online, they look very accurate to the cartoon which is a great sign. In fact, they add extra details that capture the characters' unique looks. Some could argue that they look too cartoony and colourful for a live-action take, but it has been proven from many comic-book movies in the last decade that having comic-accurate suits makes an adaptation much better. In addition, there will be many beloved characters (big and small) that will appear in the eight mentioned episodes and the bending abilities from what was shown in the trailers look impeccable. It will for sure be a spectacular attempt to be a love letter to the show.

Changes To The Original

To begin, the show will be rated TV-14

for a more mature audience in comparison to the rating of TV-Y7-FV (refers to a show for a minimum age of 7 years that is more intense) to take into the account the show was originally aired for children on Nickelodeon. Expect more gore and violence from this version of Avatar.

Furthermore, one of the major things to recognize with this adaptation is that the story of the original cartoon will be modified to compensate for the continuous growth of their child/teen actors over time. The original Avatar show consisted of three seasons over three years. However, to avoid the scenario of their actors getting too old for their roles (due to the time it takes to complete a season of television), certain components of the entire story will be skipped as means of getting to where they want to be. For instance, certain characters who were originally prominent in the second and third seasons of the show will be added into the first season of the Netflix show in a specific manner. This includes antagonists such as the sly Princess Azula who will be played by Elizabeth Yu and the powerful Fire Lord Ozai who will be portrayed by Daniel Dae Kim. It has been told that these characters will be included earlier into this story in comparison to the cartoon.

However, a major component that the crew mentioned will change in the Netflix version is removing the backstory associated with Sozin's Comet. For those who have not watched the show, Sozin's Comet was a plot device in the show that essentially enabled the Fire Nation to have unlimited power to which very little could stop them. It was weaved into the cartoon where Aang would have to master all four elements of bending in a dire manner in order to save the world from the villains. Without this storyline at a first glance, there does not seem to be a direct motivation for Aang to train in all four elements in a quick period of time. It will be interesting to see what the show does to compensate for this plot being removed.

Success of Live Action Adaptations of Cartoons

Finally, the last remaining question is this: Will this adaptation be faithful? From what has been shown and discussed from this, it seems it will reflect the TV show quite well. Plus, live-action adaptations of animated properties have been booming in the 2020s, including Sonic the Hedgehog and One Piece (the latter of which is from Netflix). However, there is one detail that I haven't mentioned yet.

Initially, the creators of the original show, Bryan Konietzko and Michael Dante DiMartino worked on the live-action adaptation for two years alongside Kim and the rest of the crew. However, at some point, they left the project altogether because of creative differences. DiMartino said leaving the Netflix Avatar show was "the hardest professional decision [he'd] ever had to make," while also adding it has the potential to still be a good adaptation [2]. While one could take this as at least hope this show can be done well, the creators who made the show great leaving so suddenly is not the best sign coming into February.

Nonetheless, this version of *Avatar: The Last Airbender* can only go up from the travesty that was the 2009 film version. And when the world needs it the most, the show doesn't have to disappear. It can rise up to the occasion and bring new balance to the fandom, both old and new.

References

[1] "'Avatar: The Last Airbender' boss on original creators departing," EW.com. Accessed: Jan. 31, 2024. [Online]. Available: https://ew.com/avatar-the-last-airbender-albert-kim-original-creators-departing-8416094

[2] Z. Sharf, "Netflix's 'Avatar' Boss Says Making Live-Action Series After the Original Creators Left Over Creative Differences Was 'Absolutely' Daunting," Variety. Accessed: Jan. 31, 2024. [Online]. Available: https://variety.com/2023/film/news/avatar-last-airbender-netflix-boss-original-creators-exit-1235846157/

SUDOKU
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The World of Student Design Teams

The Unknown Engineer

The University of Waterloo is home to so many spectacular student design teams. We talked to a few so that you can get to know them and consider joining the team with an objective most aligned with your interests!

WATOLINK performs research and development of new technology related to brain computer interfaces, allowing students to gain experience in neuroscience and neuroimaging techniques early in their careers. In 2022, they achieved 1st place in the global NeuroTechX Competition. Mainly composed of BME and SYDE students, the team is split off into smaller sub-teams consisting of operation leads, project leads, and core members. The operation leads manage resources for the team and assures the team has adequate funding. Whether the project consists of brain controlled video games or wheelchairs, project leads are the first point of contact and are responsible for their development. The majority of the software, hardware and firmware development for the brain-computer applications to work are completed by core members. It is an excellent opportunity for students to learn what it takes to design and integrate different components of a brain-computer interface (BCI) system. Co-founder Avery Chiu (4B Mechatronics) says his “favourite part is seeing the expression on people's faces when they are able to control interfaces such as robots with their mind seamlessly,” in relation to his experience at WATOLINK.

Waterloo Rocketry takes students from engineering, math, science, environment, arts, and health. The team focuses on teaching students so that they have the knowledge they require to become capable rocket engineers, and can have an environment to gain experience applying engineering skills that many have learned in their courses. As a member of the team, you have the opportunity to participate in engine tests, electronic tests, constructing rockets as a team, and eventually, seeing the rocket launch in the forests around Timmins, Ontario. The team has 2 team leads and 10 sub-teams such as the airframe and propulsion teams, which build the rocket body and make the engine/fluid systems/custom valves respectively. Other teams include business, controls, electrical, flight dynamics, infrastructure, payload, recovery, and software. Team lead Tessa Pugh (‘27 Mechanical) says, “The people I get to work with every day make this team incredible. I love seeing them grow and learn, I love the late night problem solving, I love seeing people take on responsibilities just outside what they're capable of and succeed.” Controls sub-team lead, Joe Dolina (‘26 Mechatronics) agreed, saying their favourite part was, “The community. The best memories of my years here at UW are with my friends on the rocketry team, and I wouldn't enjoy my 5 year slog through eng nearly as much without them”.

Waterloo Formula Electric participates in competitions with static and dynamic events. They design and manufacture Formula 1 style electric vehicles from scratch every year. Each year, they aim to improve the reliability and performance of their vehicles. Always bringing pride to their design team, Formula Electric was able to place 5th last year despite a last minute motor failure. This year, the team has at least 4 upcoming competitions in New Hampshire, Michigan, Pittsburgh, and Toronto. On the team, members have the opportunity to gain experience using software and programming languages such as Ansys, StarCCM, FreeRTOS, ALtium, LTSpice, Solidworks, C, and Python. Some sub-teams include aerodynamics, accumulator and powertrain, business, chassis, electrical, firmware, and suspension. These teams provide opportunities for members to design 600V batteries, pedals, brakes, PCB’s, and much more. Formula Electric is an amazing environment to gain industry experience. Tesla, Lucid, Apple, Neuralink, and other large companies have sought out Formula SAE students for their excellent design experience. Technical lead Owen Brake (4B Mechatronics) has had the opportunity to develop his understanding of vehicle dynamics and electrical knowledge. He designed this year’s high voltage battery and is currently designing a high voltage motor controller. Owen states, “These broad experiences are frankly once in a lifetime.” and project manager Jeremey Racine (‘26 Mechanical) adds, “It's not everyday that you get to design, build and drive the same car, much less 5 different times throughout your university degree”.

Industry 4.0 has a mission to create solutions in technology, systems design, human capital, and process engineering. The team also supports students in their career and personal development through its vibrant and caring community. Mainly consisting of management engineering students, members participate in co-op panels, resume critiques, high school case competitions, and executive team-building events. There are many roles available to members including team director, software developer, marketing lead, program manager, external coordinator, research and development & operations lead, and more. Sponsorship coordinator Demir Eren (1B Management) says the amazing sense of community, “makes me feel like I am always part of the family. It's an environment where I always feel like I can bring new ideas to the table, and comfortably speak to the people in charge without that sense of hesitation."

UW Biomechatronics develops medical devices and solutions for patients that they connect with through E-nable and recently Tetra; Tetra allows students to work with real patients using a diverse set of medical device needs and develop solutions unique to them. This term, the E-nable team is working on finding a patient a custom print prosthetic. EMG Fabric is perfecting their machine learning algorithms and developing reusable textile electrodes. Spine Biosticklers is developing a posture recognition software to be used for patients who have undergone major spinal surgery to aid in their rehabilitation if it detects dangerous postures post surgery. Transitioning into the lead role of Biomechatronics, Anna Polack (3A Biomedical) says her favorite part of being apart of UW Biomechatronics, “is seeing this multidisciplinary team come together to make strides in the research and development field”.

Concrete Canoe is an inclusive, fun, and unique environment for students to develop engineering design along with technical and soft skills. The team leads are all very welcoming and will teach you everything you need to know. The hull design sub-team generates and designs the canoe through modelling and CFD analysis. They produce shear force and bending moment diagrams. The concrete mix team optimizes the concrete mix to be lightweight with high tensile strength and reduced environmental impacts. The sustainability team works closely with all other sub-teams to reduce environmental impacts and keep finances sustainable. The construction team creates foam molds, casts the canoe, manages curing conditions, and finishes the cured canoe. The reinforcement design is completed by the structural team, while the budget and expenditures, sources funding, and sponsorships are the finance sub-team's focus. The aesthetic, team merchandise, and technical display are designed by the spirit team. The programming team performs calculations in Python and runs the structural analysis of the canoe. Meanwhile, the paddling team trains for races at nearby conservation areas. Competing in the Canadian National Concrete Canoe Competition (CNCCC), the team’s objective is to innovate lightweight, low-waste, sustainable concrete canoes with construction strategies applicable to the wider construction industry. Last year, the team competed in London and placed 5th overall despite an unfortunate combination of a displaced knee and cold joint, which led to a punctured hull mid-race, resulting in a “floating bathtub”. Team Captain Kat Linscott (4B Environmental) says her favorite part about the team is, “The team atmosphere! Everyone is always really nice and they're happy to teach you and get you involved in projects."

ENG SOC EVENTS

JANUARY RECAP

- 24 : Rock Climbing
- 25 : Color and sketch night
- 25 : ITS Chilli Time
- 27 : Skating at Waterloo
- 28 : Professional Photoshoots
- 29 : Data Structures and Algorithms
- 30 : Tote bag painting
- 31 : The Man Box
- 31 : Bitch & Stitch
- 26 : Genius Bowl

FEBRUARY

- 1 : Hot Chocolate and Snow Painting (11:30-12:30)
- 5-16 : Clothing/ Food Drive
- 6 : Round table: School-Life Balance (6:30-8:00)
- 7 : STEM Cell Registrants
- 7 : Resume Critique #2 (6pm - 9 pm)
- 8 : The Continuum of Harm (Male Allyship Workshop) (5:00-6:00)
- 9 : Semi Formal
- 11 : Ski Trip

MARCH

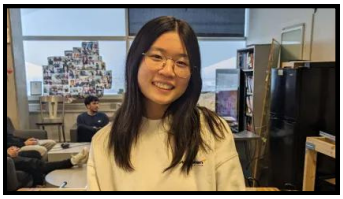
- Wk 1-2 : Eng We CAN
- 7 : Lettuce club (6:00pm)
  - BYOL
- 10 : JAGM (Joint Annual General Meeting)
- 16 : Mac Eng Musical
- 22 : TalEng

OTHER EVENTS

- Pub Crawl Shirt & Patches Sales
  - Every Thursday and Friday in CPH
- Pizza Sales
  - Every Wednesday in E7 and CPH
- Puppies in POETs
- Grad Study Panel
  - February

THE IRON INQUISITION

"How late do you have to be running before you decide to skip class?"



"If I wake up 10 minutes or less before the class starts, I go back to sleep."

EVA, 1B BIOMEDICAL

"1 minute late."

DAVID, 1B BIOMEDICAL

"15 minutes before class ends."

CURTIS, 1B BIOMEDICAL

"Normally 0 minutes, because I'd skip class anyways"

AVERY, 4B MECHATRONICS

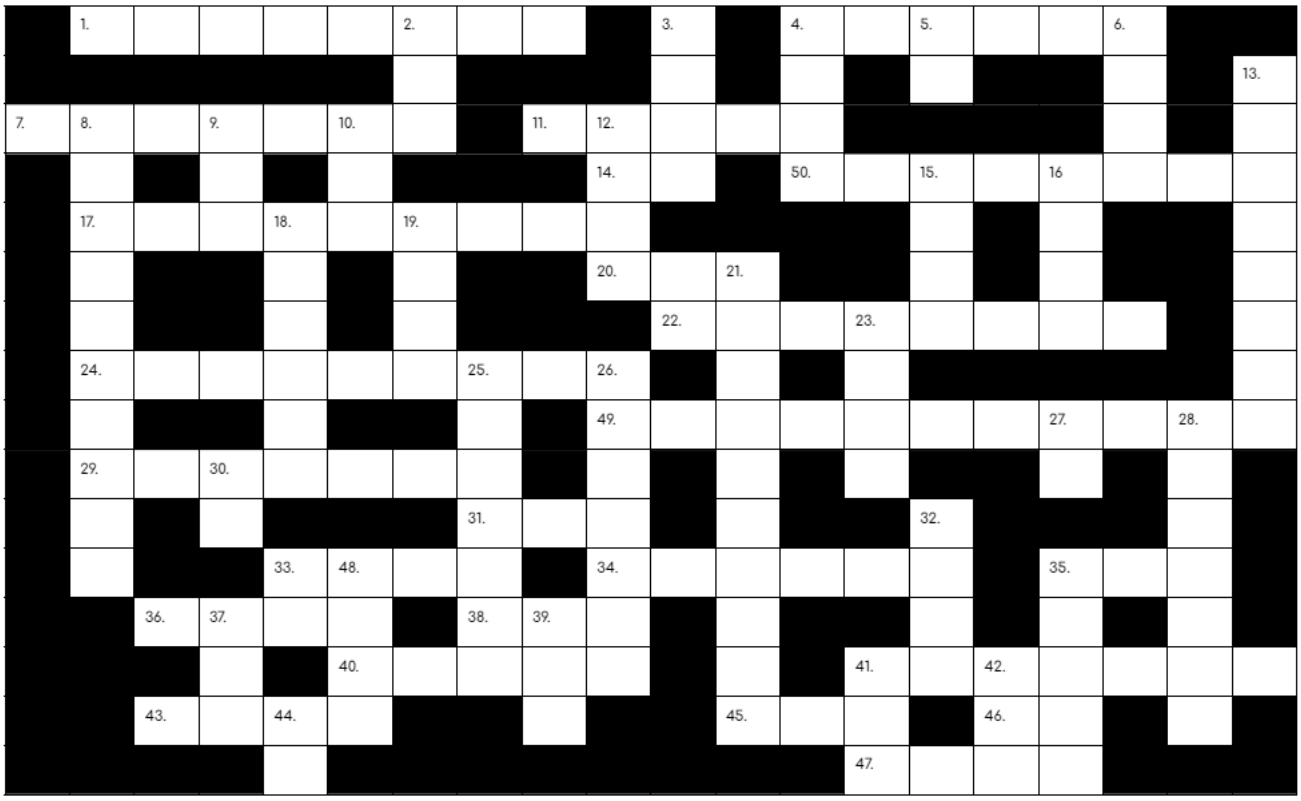
"I never skip class, I'm always there."

MORGAN, 3A CHEMISTRY

(wasn't in class)

UNIDENTIFIED ENGINEERING STUDENT

Check out our instagram for even more Iron Inquisitions @theironwarrior_uw



Across

1. _____ BABY sung by Lil Nas X ft.
4. The force when you turn a wrench.
7. O
11. The action of ascending.
14. Similes use the words like or ___.
17. Makes a chemical reaction occur faster.
20. "_____ the season to be jolly."
22. "You are my _____" is the biggest hit by Louisiana Governor Jimmie Davis and Charles Mitchell.
24. Come buy your Eng Soc swag.
29. We all have too many of these on our schedules.
31. Prefix for three.
33. A great source of fiber, you can cover your toilet in.
34. The consumption of food.
35. 3.14159 the food.
36. Running tempo.
38. Slang. Very impressive/good.
40. A mix of metals.
41. Confidential.
43. Vacation.
45. Electrical and computer engineering.
46. Yes.
47. Your parent's sister.
49. Unbiased reporters maintain _____.
50. They all have their P. Eng.

Down

2. The Iron Warrior used to have a column called the ___ soldier.
3. UW, WLU, MAC etc.
4. A long hollow cylinder.
5. Resident Advisor
6. To accomplish without difficulty.
8. An engineering discipline that studies machines.
9. Scissors.
10. A non polar liquid.
12. Slowest to finish. I placed ____!
13. The iron ring event.
15. A long cut.
16. 12 o'clock.
18. Dimly lit corridor. Don't walk alone at night.
19. Circular tent.
21. The opposite of an objective report.
23. Frosh flu. During O-week we all get…
25. After downloading a video game, you must…
26. Civilization.
27. Vice President.
28. You can showcase these at TalEng.
30. Artificial intelligence.
32. Use it in your petri dish for growing bacteria.
33. Carbon copy.
35. The leading non-zero entry of a row in a row-echelon matrix.
37. Made from mainly N2, O2, H2O, Ar and CO2
39. A charged atom.
41. Found in a pod.
42. Accommodations for travelers.
44. Not out.
48. How linked list memory is stored.

Want to join our team?

Come to our meetings every Tuesday at 6pm

LOCATION:

Douglas Wright Engineering (DWE)
Room 3520 & Online

Roles Available:

Writers
Artists
Editors
Photographers
Social Media Team

THE IRON WARRIOR

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