

Alyssa Wu

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EDUCATION

McGill University

B.Sc. in Computer Science

Montreal, QC

Expected Graduation: May 2025

- CGPA: **3.93/4.00**
- **Relevant Courses:** Algorithms and Data Structures, Computational Linguistics (Introduction to Natural Language Processing), Discrete Mathematics

WORK EXPERIENCE

Data Intern

Aviva Canada

Markham, ON

June 2023 - Present

- Work alongside the operation analytics and data science teams.
- Perform data cleaning and analysis using SQL and SAS to determine operational insights that are used for healthcare insurance use cases.

Coding Instructor

Code Ninjas

Richmond Hill, ON

June 2022 - September 2022

- Presented computer science lessons and organized STEM activities for over 200+ children, incorporating the use of a variety of software, including Scratch, Scratch Jr, Studuino, and LUA.

PROJECTS

Mood Analytics and Feedback Web App

METHacks 2023

- Developed a web app that analyzes emotions in journal entries using Django and HTML/CSS as the primary backend programmer.
- Trained large language models to incorporate sentiment analysis using Cohere API's classify and generate models.

DRIP 2D Game

McGameJam Hackathon 2023

- Developed a completed game using C# and the Unity game engine.
- Worked as the sole programmer and designer in the creation of a 2D arcade-style game.

ACHIEVEMENTS

2nd Place

McGill McWiCS Hackathon 2023

- Created a functioning student seating chart generator using Django, HTML, and CSS.
- Worked primarily on creating the student information directory– a submission form that connects to the SQLite database and processes the data based on fields specified and updated by each submission.

Best UI/UX Design

McGill CodeJam Hackathon 2022

- Designed a website focused on enhancing culinary creativity as a submission to one of McGill's longest running hackathon competitions with 300+ competitors and 50+ teams.
- Used HTML/CSS and Javascript, and incorporated the use of Python's Beautiful Soup package to perform web scraping for information used in the development of the webpage.

SKILLS

Programming and Markup Languages: Python | Java | SQL | C | Assembly | HTML/CSS | Clojure

Developer Tools and Frameworks: Django | Git | Unity | VS Code | Eclipse | IntelliJ

Other Tools and Technologies: Canva | Microsoft Excel | Linux | SAS

Languages: English | Mandarin | French (basic)