

# Alyssa Wu

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## EDUCATION

### McGill University

*B.Sc. in Computer Science*

**Montreal, QC**

*Expected Graduation: April 2025*

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

## SKILLS

**Programming Languages:** Python | Java | C | Assembly | HTML/CSS | Clojure

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

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

**Languages:** English | Mandarin | French (basic)

## PROJECTS

### Mood Analytics and Feedback Web App

*METHacks 2023*

- Developed a web app that analyzes emotions in journal entries using Django, HTML and CSS as the primary backend programmer.
- Trained machine learning 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.

## WORK EXPERIENCE

### Code Ninjas

*Coding Instructor*

**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.

## LEADERSHIP EXPERIENCE

### McGill Inter-Residence Council

*VP Equity*

**Montreal, QC**

*September 2021 – June 2022*

- Represented the Equity and Engagement Council to ensure residence events were accessible to all students.
- Planned and supervised events for 3000+ students living in McGill residences.

### Youth Environmental Network of York Region

*Co-President and Director of Sponsorships and Finance*

**York Region, ON**

*September 2018 - August 2021*

- Managed the sponsorship department and guided the organization to form partnerships with 25+ different companies, increasing the sponsorship success rate by 3x since 2018.