

## EDUCATION

- Aug 2023-Present **McGill University**  
Pursuing a B.A. in Computer Science (Minor in Communication Studies). Key completed/enrolled courses include Introduction(s) to Computer Science, Software Systems, Computer Systems, Data Science; Discrete Structures; Programming Languages and Paradigms; and Algorithms and Data Structures. Member of Women in Computer Science. Expected graduation 05/27.
- Sep 2019-Jun 2023 **Dwight School**  
Full IB Diploma with a focus in Computer Science and Chemistry. Awards in 2022 include Excellence in the Study of IB Computer Science and English Language/Literature; Dwight's Spark Tank prototype award for app development (Promptl); and global essay finalist in school's multi-campus essay competition. Honor Roll.

## EXPERIENCE

- Jul 5, 2022 – Aug 12, 2022 **New York University - GSTEM Research Program, Winston Data Foundation Scholarship in Data Science**  
Participated in an intensive six-week computer science research program with NYU and affiliated faculty. Worked with Professor Saptarshi Debroy (Hunter College), conducting task simulations on mobile devices using Python to explore battery life vulnerabilities from external security threats. As part of GSTEM's selective Winston Data Scholar group, generated an additional data science analysis on the proliferation of mature content in streaming TV shows using JupyterHub.
- Apr-Oct 2022 **Promptl ([promptl.com](https://promptl.com))**  
Developed and launched a creative writing app in Python, aimed to make writing fun and rewarding for kids with learning differences. Budding authors can earn points by using randomly generated words in an original story.
- Jan 18-19 2025 **Hack McWiCS - Gamified Task Management System**  
Developed a task management system in Python, aimed to make users more productive by using a point-and-reward system. Users can earn points by completing their tasks, using a multiplier system based on the rank of the tasks.

## SKILLS & ABILITIES

- Python (including Pandas, NumPy, Seaborn, matplotlib, SciPy, scikit-learn)
- Bash, Java, C, HTML/CSS
- Hack McWiCS hackathon participant, gamified task management system
- MS Office, Google Suite
- Coursework in structured/unstructured data, reinforcement learning
- GitHub (<https://github.com/zcoder365>)

## ACTIVITIES

- Feb 2020-Jun 2023 **Girls Who Code (School Club Leader, Summer Immersion Programs)**  
Led Upper School coding club for girls, focused on projects in Python, HTML and CSS (11/12th grades). Undertook a six week summer program focused on cybersecurity and Python coded cyphers (2022); and a 2 week program, focused on HTML/CSS/JS projects and had valuable exposure to visual missile trajectory software and roles in aerospace (2021).
- June 2018-2020 **iD Tech, Codecademy (AI & Machine Learning, Coding Games & Apps in C++, Learning C++)**
- Fall 2019-2023 **Dwight School (Girls Varsity Soccer Team, Right Wingback)**

## OTHER INTERESTS

Songwriting (including Pro Logic), piano, creative writing, avid reader, hip hop dance, and stock market investing.

