

## EDUCATION

- Aug 2023- Jun 2027 **McGill University (Montreal, Canada)**  
Pursuing a B.A. in Computer Science (and Minor in Communication Studies). Key completed/enrolled CS courses include Introduction(s) to Computer Science, Software Systems, Computer Systems, Data Science; Discrete Structures; Algorithms & Data Structures. Member of Women in Computer Science, Hack McWiCS.
- Sep 2019- Jun 2023 **Dwight School (New York, NY)**  
Full IB Diploma with a focus in Computer Science and Chemistry. Awards (2022) included 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

- Apr 2022- current **Web Application Development (Founder)**  
**Promptl (promptl.com)**  
Developed and launched a creative writing application in Python, aimed to make writing fun and rewarding for kids with learning differences. Budding authors can earn points by using several randomly generated words in an original story.
- Jan 2025 **Hackathon (Team Participant)**  
**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.
- Jul-Aug 2022 **New York University (Intern)**  
**GSTEM Summer Research Intern, Winston Data Scholar in Data Science**  
Participated in a selective and intensive 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. Further, generated data analysis on the proliferation of mature content in streaming TV shows using Python and JupyterHub.

## SKILLS & PROJECTS

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

## LEADERSHIP & 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. 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 with exposure to visual missile trajectory software and roles in aerospace (2021).
- Sep 2019- Aug 2023 **Forming Futures (Product Procurement Manager).** Part of a student-led non-profit serving low income communities in NYC. Responsible for procuring donated items from corporations to create hygiene and school supply kits.
- Sep 2019-2023 **Girls Varsity Soccer Team (Dwight School)**
- Jun 2018-2020 **iD Tech and Codecademy courses**  
AI & Machine Learning, Coding Games & Apps in C++, and Learning C++.

## OTHER INTERESTS

Songwriting (including Logic Pro X), piano, creative writing, avid reader, spin, hip hop dance, and stock market investing. Intermediate proficiency in French.