Zoe Droulias

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Dual citizen (US, Canada)
New York, NY

EDUCATION

Aug 2023- Jun 2027
McGill University (Montreal, Canada)
Pursuing a B.A. in Computer Science (Minor in Communications). Courses include Intro(s) to Computer Science, Software Systems, Computer Systems, Data Science, C++; Discrete Structures, Algorithms & Data Structures, Programming Challenges, Software Design, Web Development, Natural Language to Data Science, Theory of Computation. Member of Women in Computer Science (McWiCS), McHacks.

Sep 2019- Jun 2023
Dwight School (New York, NY)
Full IB Diploma with a focus in Computer Science and Chemistry. Awards included Excellence in the Study of IB Computer Science and English Language/ Literature; Dwight's Spark Tank prototype award for app development (Promptl). Honor Roll.

EXPERIENCE

Jul-Aug 2025
Data Analyst Intern
Definite Articles (New York, NY)
Developed competitive analysis framework to evaluate athletic wear across e-commerce and multi-channel companies. Built Tableau dashboards for data and trend visualization; incorporated TF-IDF to identify popular product features; and optimized SEO by refining product descriptions to increase visibility across various search and AI platforms. Analyzed category sentiment and engagement across Twitter/X and Reddit communities using Python's Beautiful Soup scraping library.

Apr 2022- current
Web Application Developer and 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. Worked with specialized educators. Budding authors can earn points by using several randomly generated words in an original story.

Jul-Aug 2022
GSTEM Research Intern & Winston Data Scholar in Data Science
New York University
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. Also generated data analysis on the proliferation of mature content in streaming TV shows using Python and JupyterHub.

SKILLS & PROJECTS

- Python (Pandas, NumPy, Seaborn, matplotlib, Beautiful Soup, SciPy, scikit-learn)
- Tableau (Udemy certificate)
- SQL, NoSQL, Java, C++, HTML/CSS (UI/UX)
- JupyterHub, VS Code, Bash, AWS, GitHub
- MS Office, Google Suite
- Coursework in structured/unstructured data, reinforcement learning, UNIX/Linux
- Competitive programming
- McHacks hackathon team (Gamified Task Management system, Burnout Tracker)
- Coding projects (https://github.com/zcoder365)

PRIOR 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.

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.

OTHER INTERESTS

- Intermediate proficiency in French.
- Songwriting (including Logic Pro X), creative writing, spin, and investing.