

Skills

Programming Languages: C, C++, Python (Flask), Verilog, ARM Assembly, MATLAB, HTML, CSS
Soft Skills: Leadership, Teamwork, Time-management, Public speaking, Communication, Adaptability, Problem-solving, Conflict-resolution
Tools: Unix/Linux, Git
Languages: Fluent in English, French, and Arabic
Projected: Django, JavaScript (React), MySQL

Education

University of Toronto | Bachelor of Applied Science and Engineering **2021 – 2026**

Major: Computer Engineering | Minor: Engineering Business | PEY Co-Op Program

Salim Majdalany Scholarship award recipient – 2021

Edward S Rogers Sr. Admission Scholarship recipient – 2021

Projected relevant courses: ECE344: Operating Systems | ECE345: Algorithms and Data Structures | ECE444: Software Engineering | CSC343: Introduction to Databases | CSC309: Programming on the Web.

Projects:

UofT Flyers WebApp: **October 2023 – November 2023**

- In a team of 7, developed a Python based web application that provides a centralized platform for university students to access and explore flyers from clubs and student associations.
- Engineered user-friendly "My Profile" section for seamless profile editing, including username, password, profile picture, and bio updates.
- Implemented features to view liked events and manage created events, enhancing user engagement and customization.
- Ensured responsive design for optimal user experience across devices.

Geographic Information system (GIS) Software: **January 2023 – April 2023**

- Worked on building a geographic information system, in C++, using GTK for creating the GUI, leading a team of 3, expanding my experience in revision control, Git.
- Reading from OSM API, implemented functions to store and search through data.
- Implemented A* algorithm for path finding, averaging 19.27ms to find the more complex paths on the map.
- Implemented multi-destination Dijkstra to solve the traveling salesman problem, averaging 18.40s completion time for the harder cases, which is significantly lower than the 50s limit of the unit test cases.

Work Experience

BitByte Consulting, Software Engineering Intern **July 2023 – October 2023**

- Shadowed software engineers in the development of a solar calculator web app, acquiring hands-on experience with HTML and CSS.

World Learning Inc., MERL Intern **June 2023 – August 2023**

- Supported the Monitoring, Evaluation, Research, and Learning team in data entry, cleaning, and verification, fostering substantial growth in Excel proficiency.
- Collected data via phone calls and Zoom meetings from schools related to students and teachers' practices, holding 5 meetings per day for 2 weeks.
- Promptly addressed over 200 tablet technical emergencies, resolving issues on the spot.

Extracurriculars

ECE Ambassador **October 2022 – present**

- Represented the student body and acted as an ambassador to alumni, prospective students and parents at various recruiting events, campus open houses, high school visits, and other events as assigned, expanding my communication and public speaking skills.