

## Skills

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**Programming Languages:** C, C++, 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:** Python (Flask, Django), JavaScript (React), MySQL

## Education

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**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:

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**UofT Flyers WebApp:** **September 2023 – December 2023**

- In a team of 7, developing a Python based web application that provides a centralized platform for university students to access and explore flyers from clubs and student associations. Key features include a search bar for easy navigation, a "Save for Later" function, and robust login authentication and verification mechanisms.
- Demonstrating skills in web development and user experience design.

**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

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

- Building a solar calculator webapp for a client, learned HTML and CSS, while actively pursuing ongoing development in JavaScript and React, demonstrating a strong commitment to expanding web development skills.

**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

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**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.