Nidaa Rabah

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Skills

Programming Languages: C, C++, Python (Flask, Django), HTML, CSS, JavaScript (React), SQL
Tools: Unix/Linux, Windows, Git, Jira
Languages: Fluent in English, French, and Arabic

Education

University of Toronto | Bachelor of Applied Science and Engineering **2021 – 2026**
Major: Computer Engineering | Minor: Engineering Business | PEY Co-Op Program

- Dean's Honours List – Fall 2023
- Salim Majdalany Scholarship award recipient – 2021
- Edward S Rogers Sr. Admission Scholarship recipient – 2021

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

Work Experience

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

- Attended meetings with potential clients to assess their requirements in developing customized web applications.
- Shadowed software engineers in the development of a solar calculator web application.
- Technologies: HTML, CSS, JavaScript

MERL Intern, World Learning Inc. **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.

Projects:

Full-Stack Developer – OneOnOnes: **January 2024 – April 2024**

- In a team, working on a website that helps users schedule regular 1-on-1 meetings with others.
- Technologies: HTML, CSS, Django, React, SQL, Git

Software Engineer - UofT Flyers WebApp: **September 2023 – December 2023**

- With a team, developed a Python based web application that provides a centralized platform for university students to access and explore flyers from clubs and student associations, ensuring responsive design for optimal user experience across devices.
- 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.
- Technologies: Python, Flask, HTML, CSS, JavaScript, Git, Jira

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

- Worked on building a geographic information system, leading a team of 3, implementing 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.
- Technologies: C++, GTK, OSM API, Git