Simon Berhe

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EDUCATION

Ontario Tech University   **Oshawa, Ontario**
B.S. in Computer Science   *Expected Graduation, April 2026*

- o **GPA:** 3.8/4.30, *Dean's List*
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Object-Oriented Programming, Statistics & Applications, System Design, Software Development & Integration
- o **Programming:** Java, Python, JavaScript, C++, HTML/CSS, SQL, Node.js, React.js
- o **Tools:** Visual Studio, IntelliJ, PyCharm, Eclipse, Jupyter Notebooks, Git, Agile, Latex, MS Visio, MATLAB

EXPERIENCE

Ontario Tech RoboMaster   **Oshawa, Ontario**
Programming Team Member   *Sep 2023 – Current*

- ● Applied C++ programming expertise to design and implement robust computer vision algorithms, significantly enhancing the functionality and performance of the system.
- ● Collaborated with the team to troubleshoot and optimize code, ensuring seamless integration with the robot's hardware.

Sir Oliver Mowat   **Oshawa, Ontario**
Peer Tutor   *Sep 2021 – June 2022*

- ● Provided personalized academic support to peers by offering tutoring sessions, aiding in subjects such as Advanced Functions, Calculus and Vectors, and Intro to Computer Science
- ● Demonstrated effective communication and interpersonal skills in delivering clear explanations, and contributing to the overall academic success of my fellow classmates

PROJECTS

EasyEats   **Toronto, Ontario**
Front End Application   *Dec 2023 – Jan 2024*

- ● Designed and implemented an intuitive user interface, optimizing the experience for recipe exploration
- ● Integrated **MealDB API** to fetch and display a wide variety of recipes based on user preferences.

YourSpace   **Toronto, Ontario**
Full Stack Application   *Sep 2023 – Nov 2023*

- ● Designed an intuitive **MySpace** clone with a user-friendly interface, with **HTML CSS** and **React**.
- ● Implemented **FireBase** for storing messages and Google Authorization.

Japan Discovery   **Toronto, Ontario**
Exploratory Data Analysis   *Oct 2022 – Dec 2022*

- ● Dove into the data between different countries that have visited Japan annually and monthly.
- ● integrated different libraries within Python including **Pandas**, **Seaborn**, **Matplot**, **and NumPy**.

VOLUNTEER/ACTIVITIES

Computer Science Club   **Oshawa, Ontario**
Member   *Sep 2022 – Current*

- ● Engaged in a community of technology enthusiasts, providing a platform for students to explore and engage within the realm of computer science.

African Student Association   **Oshawa, Ontario**
Member   *Oct 2022 – Current*

- ● member of an organization of 100+ members, helping hosting events and managing a board of executives, trying to reach out to the underprivileged community in Oshawa.