**Simon Berhe**

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**EDUCATION**

**Ontario Tech University Oshawa, Ontario**

*B.S. in Computer Science Expected Graduation, April 2026*

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

**EXPERIENCE**

**Toronto Transit Commision Toronto, Ontario**

*Summer Maintenance Worker May 2024 – August 2024*

* Cleaned and maintained TTC facilities, including restrooms, offices, and common areas, ensuring a sanitary and safe environment for employees and commuters.
* Assisted customers with directions, inquiries, and general information about TTC services, providing friendly and professional customer service.
* Handled customer concerns or complaints by providing accurate information and reporting issues to supervisors when necessary.

**Ontario Tech RoboMaster Oshawa, Ontario**

*Programming Team Member Sep 2023 – June 2024*

* 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.

**PROJECTS**

**EasyEats** | [Live Demo](https://its-simon.github.io/EasyEats/) **HTML, CSS, Javascript**

*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.

**ChessHub** | [Live Demo](https://chess-hub.netlify.app/title) **HTML, CSS, Java, Javascript**

*Full Stack Application Sep 2023 – Nov 2023*

* Engineered an online chess platform leveraging **RESTful API** for backend integration and real-time functionality
* Implemented **WebSockets** to enable interactive multiplayer experiences with minimal latency
* Designed with customizable themes, daily puzzles, and a dynamic leaderboard to enhance user engagement

**Trips to Japan** |[Github](https://github.com/SimonB0525/EDA-Discovery/) **Python, Pandas, Seaborn, Matplotlib**

*Exploratory Data Analysis Oct 2022 – Dec 2022*

* Analyzed and visualized a comprehensive dataset of **17,000+** records on international visitors to Japan, identifying key trends in annual and seasonal tourism patterns using **Python** (Pandas, Seaborn, Matplotlib).
* Cleaned and preprocessed the dataset by **removing duplicates**, **handling missing data**, and improving column naming conventions for clearer analysis, improving data reliability and readability.

**VOLUNTEER/ACTIVITIES**

**Computer Science Club Oshawa, Ontario**

*Member* *Sep 2022 – Current*

* Engaged in a community of tech enthusiasts, providing a platform for students to explore and engage.

**African Student Association Oshawa, Ontario**

*Member* *Oct 2022 – Current*

* Member of an organization of 100+ members, helping hosting events and trying to reach out to the underprivileged community in Oshawa.