LEI SINGHA

Toronto, ON | 647-949-3359 | lsingha@torontomu.ca | www.linkedin.com/in/leisingha

EDUCATION

Bachelor of Science (Honours): Computer Science   Sep 2020 – Exp. Jun 2026
Toronto Metropolitan University, Toronto, ON

Relevant Coursework: Web Systems Development, Data Structures and Algorithms, Computer Organization

WORK EXPERIENCE

Accessibility Analyst Co-op, Ministry of Children, Community and Social Services   May 2023 - August 2024

- Developed and maintained custom Single Page Applications (SPAs), dynamic forms, and responsive web pages for the Accessibility Center of Excellence (ACOE) team and Ontario Public Service (OPS) clients.
- Assisted the ACOE team with accessibility assessment and remediation of OPS web sites, web applications, and web content using WCAG/IASR accessibility standards. Delivered detailed reports with feedback and actionable recommendations to OPS clients, including suggestions for code improvements and best practices to meet accessibility standards.
- Participated in Agile sprint planning, DevOps practices, and daily stand-ups, collaborating with cross-functional teams to ensure timely delivery of features and bug fixes in line with project goals.

Desktop Support and Help Desk (Part-time), Pulse General & Specialized Hospital   Feb 2020 - Jan 2021

- Troubleshoot and resolved hardware and software issues on Windows and Linux systems, ensuring optimal performance and security operation.
- Configured and maintained computer workstations, including network connectivity and system upgrades..
- Provided efficient customer support to 20+ users per shift, offering tailored solutions for technical issues and ensuring timely resolutions.

PROJECTS

Digital Accessibility Toolkit for Leaders (ACOE)

- Led the design and development of the Digital Accessibility Toolkit for Leaders web app in **React.js** managing both frontend and backend development while delegating tasks to co-op**.**
- Hosted on **Azure,** we incorporated the **Ontario Design System** and **Bootstrap** for the UI.
- Established code quality practices by conducting code reviews, writing **Jest** unit tests, and setting up CI/CD pipelines with **Azure Pipeline** to automate code linting and testing

IOB Executive Dashboard (ACOE)
Worked with a team of 5 co-ops and developed a dashboard that visualizes key metrics for all teams within the IOB Cluster, with data fed through excel sheets. The backend, built with **Python**, processes and stores the data in **MongoDB**, while the frontend, created with **React**, displays interactive visualizations for easy data exploration.

Crypto Tracker

- A **CRUD** web app that tracks cryptocurrency prices by entering the crypto ticker.
- Built with **Vue.js** for the frontend, **Node.js** for the backend, and **MongoDB** for storing data fetched from the API.

Galaxy Education Website

- A static multi-page website designed for a consulting firm that assists students in enrolling in foreign universities. Built using **HTML**, **CSS**, and **JavaScript** for a responsive and user-friendly experience.

Technical Skills

Languages and Standards: JavaScript, Python, HTML, CSS, WCAG(2.0/1/2), IASR

Technologies: Git (Gitlab and Github), React, Bootstrap, Node.js, SQL, MongoDB, Azure, Pandas and Numpy