

Soham Limbachia

<https://github.com/SohamLimbachia> | 780-880-1832 | limbachi@ualberta.ca | www.linkedin.com/in/soham-limbachia

EDUCATION

University of Alberta Expected 2026
B.Sc. in Computer Engineering (Software Option) Edmonton, AB

EXPERIENCE

Outlier AI Sept. 2024 – Current
AI Math Model Analyst Edmonton, AB

- Prompting multimodal AI models with mathematical problems.
- Analyzing and correcting the responses, reviewing peers' work, grading, and providing feedback.

University of Alberta Sept. 2024 – Dec. 2024
Teaching Assistant, CMPUT 274 - Introduction to Tangible Computing I Edmonton, AB

- Assisting in instruction, making and marking assignments, hosting lab sessions and office hours.

Suncor Energy Inc. May 2023 – Apr. 2024
Process Automation and Controls System Student Fort McMurray, AB

- Supported cooling tower control and emergency system segregation project.
- Developed input signal conditioning algorithm for hydrogen flare controller.
- Created site-wide web-based diagnostic system for PLCs.
- On-boarded Automation Department to GitHub for version control.

Statistics Canada May 2021 – Sept. 2021
Enumerator Remote

- Conducted interviews to collect Census data and updated database.

VOLUNTEERING & PROJECTS

Director of Sponsorship - UAlberta Aug. 2024 – Present
Hackathon - Computer Engineering Club Edmonton, AB

- Driving the HackED beta & HackED 2024/2025 sponsorship campaign.
- 2024 HackED beta Sponsors new funding: \$3300 secured:
ATB, Enbridge, RESTIV, UAlberta Research & Innovation, Chegg & CBC Edmonton.

Online Learning Platform - Spelling Bee of Canada Oct. 2021 – Sept. 2022
Assistant IT Director Remote

- Supported build using ASP.NET for audio-visual games.
- Tested audio-visual components and managed online events.

UBC Okanagan May 2022 – Sept. 2022
Participant Project Designer Kelowna, BC

- Designed irrigation system project using a Micro:bit.
- Developed instructional package with Python code.

SKILLS & CERTIFICATIONS

Languages: Python, C/C++, Java, JavaScript, MATLAB, SQL, VBA, Control Language, Ladder Logic, Assembly

Web & Mobile: React, React Native, ASP.NET, HTML/CSS, RESTful APIs

DevOps & Cloud: Git, Docker, Kubernetes, AWS, Linux, Bash/Shell scripting

Data: Excel, Seeq, TensorFlow, NumPy, Pandas, Scikit-learn

Embedded Systems: DCS & PLC & HMI IaC configuration, Arduino, Raspberry Pi, Analog-Digital testing

Tools: Linux, Windows, Visual Studio Code, AutoCAD, KiCAD, Microsoft Office Suite

Certifications: Fall Protection, CSO, WHMIS, CSTS, First Aid & CPR, Continuous Emissions Monitoring Systems