

Tom Altankhuyag

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Education

B.A.Sc in Software Engineering

September 2019 – April 2025

[University of Calgary](#)

- Recipient of Alexander Rutherford Scholarship and Jason Lang Scholarships

Awards & Recognitions

Intern of Merit

[SMART Technologies & Engineering Career Centre](#)

- Awarded to interns who have made a significant positive impact on their team/company

Experience

Software Developer Intern

September 2022 – August 2023

[SMART Technologies](#)

- Developed, debugged, and tested key features for the Lumio application using **Vue**, **scss**, **Pug**, and **Jest**, enhancing functionality, performance, and user experience.
- Implemented **responsive UI** components facing **+10k active** daily educators.
- Performed **live demonstrations** for new product features to key company stakeholders
- Researched and designed technical documentation for new application features

Projects

Relit- IoT Lighting System | Expo, React Native, AWS, and ESP-IDF

- Developed an IoT-based mobile application as a capstone project, enabling users to control their lighting devices.
- Implemented the application with React Native, AWS, and ESP framework and utilities

RipLash | React, Node.js Socket.IO, Firestore, and OpenAI |

- Developed a web-based party game with server load balancing, enabling scalability for increasing user counts
- Established client-server connections using Socket.IO with server-node failure-recovery

ShowCase | React, Node.js, Express.js, and MySQL |

- Led a team in developing a full-stack application inspired by LinkedIn, enabling users to create and showcase personalized portfolios

Extracurricular

Digital Marketer

January 2021 – May 2021

[Unconventional Engineers](#)

- Created and managed social media content, generating **500+ impressions** per post and boosting engagement in organizational events

Software Team

December 2019 – August 2020

[Schulich Space Rover Team](#)

- Proposed and tested a solution to sustain a live camera feed through a web browser powered by **Raspberry Pi 4**

Technical Skills

Languages: JavaScript, TypeScript, C++, C, Java, Python, HTML, CSS, SQL, and GLSL

Frameworks/Technologies: Vue, ReactJs, React Native, Node, and Android Studio

Technical Concepts: OOP, AGILE, SCRUM, Mobile Development, Web-Development, SOLID, and Computer Graphics

Project Management: Atlassian, Azure DevOps, GitHub, and Git

Cloud Services: Amazon Web Services (AWS) and Microsoft Azure

Certifications: [Microsoft Azure AI Fundamentals](#)