# TOM ALTANKHUYAG

**Software Engineering Student**

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## EXPERIENCE

### Software Developer Intern
**SMART Technologies**

📅 September 2022 – August 2023

- Collaborated with the Lumio Studio team to develop Lumio, an interactive and engaging web application for educators and students.
- Utilized tools and frameworks such as **vue.js**, **vuex**, **css/scss**, **pug**, and **jest** to develop, test, and debug features and functionalities across a large code base.
- Implemented *responsive UI* components compatible with modern browsers and devices
- Procured technical documentations for new features.
- Performed *live demonstrations* for new product features to company stakeholders.

## PROJECTS

### RipLash
**React, Node, Socket.IO, Firestore, and OpenAI**

📅 March 2024

- Constructed a full-stack web-based party game with **react.js**, **socket.io** & **node.js**.
- Load-balanced game sessions using **node clusters** to delegate game instances into unique machines.
- Generated in-game prompts using **OpenAI API**, creating a unique gameplay for each session.
- Established client-server connections using socket.IO, with server *failure-recovery* implementation.

### MyTube
**Vue, Pinia, Pug, SCSS, and YouTube API**

📅 November 2023

- Developed a web-based YouTube video player using **vue.js**
- Leveraged **Google's YouTube API** to successfully implement the application.
- Built an in-app playlist functionality within the front-end with the help of **Pinia** for *state management*.
- Deployed the application using GitHub's pages hosting services

### ShowCase
**React, Node, Express, Postman, and Google Cloud SQL**

📅 April 2022

- Led a team of seven to develop an application that lets users create their own Portfolios
- Designed and *presented project deliverables* such as design diagrams, project check-ins, and project presentations.
- Composed the back-end API endpoints using **node.js** & **express.js**.
- Scheduled meetings and deadlines for the team.

## EDUCATION

### B.A.Sc in Software Engineering
**University of Calgary**

📅 September 2019 - Present

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, C++, Java, Python, SQL, HTML, and CSS
- **Frontend:** Vue, React, Pug, Jest, Selenium
- **Backend:** MySQL, Firebase, ExpressJs, NodeJs, and Postman
- **Version Control:** Git, GitHub, and VSTS
- **Collaborative Tools:** Atlassian, Confluence, and Google

## ACHIEVEMENTS

### Intern of Merit
**ECC & SMART Technologies**

📅 April 2024

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

### Top 3 Finish
**CS2 ESEA Season 49 Main Division**

📅 June 2024

- Earned a team prize of **$1,500(US)** and a qualification to advanced division.

## EXTRACURRICULAR

### Digital Marketer
**Unconventional Engineers**

📅 January 2021 - May 2021

- Managed social media marketing for Unconventional Engineers
- Participated in workshops and special guest lectures.

### Software Team
**Schulich Space Rover Team**

📅 December 2019 - August 2020

- Tested and proposed a solution to sustain a live camera feed through a web browser powered by **Raspberry Pi 4**
- Configured the live feeds using **HTML** and **Python** on the Raspberry Pi system.