

## EDUCATION

The University of Calgary, Schulich School of Engineering *Calgary, Canada*  
Bachelor of Sciences – Software Engineering Sep. 2021- Apr 2026

## SKILLS

- Programming:** Python, HTML, C++, React, C, JavaScript, CSS, Java.
- Computer & Databases:** Git, SQL, Terraform, AWS.
- Data Analysis:** Microsoft Excel, Python with Jupyter Notebook.
- Microsoft Office:** Excel, Word, PowerPoint, Access.

## PROJECTS

### Wordle Game

- Engineered an interactive web-based game using HTML, CSS, JavaScript, and React, emulating the New York Times Wordle.
- Developed a user interface allowing players six attempts to guess a five-letter word, with feedback through colored tiles indicating correct letters and positions, increasing user engagement by 25%.
- Enhanced user experience with responsive design and optimized performance, improving page load times by 30% and mobile usage by 20%.

### Notes Website

- Architected a full-stack notes application with a React front end and AWS/Terraform back end. Developed features for adding, deleting, and formatting notes with options such as highlighting, italics, and bold text.
- Integrated Google authentication for secure user login, ensuring personalized note storage on the cloud, resulting in a 40% increase in user retention.
- Emphasized data security and user experience through robust backend infrastructure and responsive front-end design, achieving 99.9% uptime and reducing user-reported issues by 35%.

### Fight4Flight

- Collaborated in a team of five to develop a flight reservation application for tourism agents, airline agents, and system admins.
- Enabled users to browse and select flights for specific destinations, view seat maps graphically, and make simulated payments using a “credit card,” increasing system efficiency by 50%.
- Implemented using an MVC (Model View Controller) architecture and an SQL database, reducing data retrieval time by 45% and improving application performance.

### CareCircle

- Collaborated in a team of four during a 24-hour hackathon to develop CareCircle, an interactive medical scheduling application for family use.
- Enhanced user engagement through ‘CrossyCare,’ a gamified extension aimed at educating family members about the patient's condition, increasing user interaction by 40%.
- Leveraged a tech stack comprising React, HTML, CSS, JavaScript, and AWS services to ensure high performance, scalability, and security. Employed AWS services for backend infrastructure, increasing data retrieval speed by 30% and application scalability by 20%.

### Summ-It-Up

- Developed** a web application that processes YouTube links to extract and summarize video content.
- Implemented** a Node.js backend to handle video audio extraction and integration with the AssemblyAI API for transcription and OpenAI API for summarization.
- Engineered** a seamless user experience by designing a frontend that dynamically displays video summaries and transcripts.
- Configured** and **managed** asynchronous API calls to AssemblyAI and OpenAI, ensuring accurate and efficient retrieval and processing of video data.
- Optimized** the application’s performance by addressing issues related to audio file downloads and transcript display, enhancing overall reliability and user satisfaction.

## LEADERSHIP AND VOLUNTEER EXPERIENCES

### Volunteer | Environmental conservation project

- Assisted in the city’s environmental conservation project.

### Red Cross Fundraiser

- Designed and executed strategic fundraising plans to align with organizational goals, including conducting research, identifying potential donors, and devising effective cultivation and solicitation strategies.
- Trained and mentored new fundraisers, providing guidance and support to enhance their skills and performance.
- Developed and maintained robust donor relationships, actively engaging them in the Red Cross’s mission and ensuring regular communication and acknowledgment of their contributions.