**Education**

**University of Calgary |** BSc in Computer Science | Co-op Program September 2022 - April 2027

* **Relevant Coursework:** Intro to CS(Python), Intro to CS II(Java), Software Engineering, Data Structures and Algorithms, Computer Architecture, Operating Systems, Computer Networks, Databases, Linear Algebra, Calculus I, Stats I, Stats II

**Experience**

**Code the Change YYC** | Software Developer | Calgary, AB Oct 2024 – Present

* Developed a hackathon management tool using **TypeScript, Next.js,** and **AWS Amplify** to manage over **300+** users.
* Spearheaded the development of responsive UI components with Tailwind CSS, reducing development time by **20%.**
* Implemented caching and dynamic routing techniques, improving page load times by **35%.**

**Stealth**| Co-Founder| Calgary, AB May 2022 - August 2022

* Directed a team of **5** developers to design and develop a social media application using **React Native** to improve device support.
* Secured **$10,000** in funding and mentorship through the Microsoft for Startups Program, driving strategic growth.
* Led requirements gathering sessions with stakeholders, establishing a clear development roadmap and reducing project ambiguity by **25%**.

**Projects**

**RateMyStudySpot**

* Lead the conversion of a pre-existing website’s tech stack from **HTML, CSS,** and **JavaScript,** to **TypeScript, Next.js** and **Tailwind**, optimizing render times by **85%.**
* Conducted interviews with users to design initial UI/UX designs using **Figma.**
* Developed custom components for user reviews and location ratings, improving user engagement by **25%.**

**Gambling friends**

* Engineered a **Next.js** web application to track and visualize poker statistics in real-time, featuring dynamic charts and interactive leaderboards
* Implemented secure authentication and authorization using **AWS Amplify Auth**, leveraging Cognito for user management and multi-factor authentication, ensuring robust data protection.
* Optimized database queries and API endpoints to enhance real-time data syncing, improving application performance by **30%.**

**Extracurricular**

**UCalgary Science Mentorship Program**| Mentor | Calgary, AB September 2022 ­– Present

* Mentored **2+ undergraduate students annually**, providing guidance on academic success, career pathways, and personal development, resulting in a **25% increase** in mentee satisfaction ratings for the program
* **Collaborated** with the program coordinators to design and implement a feedback system that improved engagement by **30%** based on year-over-year participation rates

**Taiwanese Student Association**| VP Marketing | Calgary, AB August 2024 ­– Present

* Spearheaded a marketing campaign that increased event attendance by **50%**, leveraging social media platforms and strategic partnerships with other student organizations.
* Managed a team of **5 members**, delegating responsibilities and ensuring timely delivery of promotional materials for events, resulting in a **20% reduction** in project completion time.
* Designed and executed branding strategies for cultural events, including the Mid-Autumn Festival and Lunar New Year, attracting **100+ attendees** and enhancing awareness of Taiwanese culture on campus.

**Skills**

**Languages:** Python, Java, C/C++, HTML/ CSS, Javascript, Typescript, SQL

**Technologies/Frameworks:** React.js, Next.js, Node.js, React Native, Tailwind, AWS Amplify Gen 2, Prisma

**Tools:** Github, Git, Figma, Supabase