Justin Pham

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EDUCATION

University of Calgary	Calgary, AB, Canada
Bachelor of Science in Software Engineering	*September 2021 - April 2026*

EXPERIENCE

Engineering Coop Intern September 2024 - May 2025
Atco Electric - Electric Distribution Design *Grand Prairie, AB, Canada*

- Collaborating with cross-functional teams including engineers, project managers, and construction leads to build and design Alberta's electric infrastructure and drafting technical drawings using AutoCAD and GIS software.
- Contributed to the design and implementation of electrical systems for over 20 projects, with a total value exceeding $1,000,000, significantly enhancing the reliability of electric distribution systems.
- Designed and developed a new student Coop hiring tool through **Microsoft Powerapps** and Sharepoint, increasing hiring productivity by over 80%.

Coding Instructor June 2023 - September 2024
Code Ninjas *Chestermere, AB, Canada*

- Orchestrated 30+ interactive coding sessions in **Python** and **Javascript** for a diverse student body, ensuring student comprehension and retention of programming languages.
- Mentored and assisted 30+ students in overcoming coding hurdles, leading to the development of 15+ unique coding projects showcasing student creativity and problem-solving skills
- Collaborated with a team of coding instructors to design and implement a dynamic curriculum. Evaluated curriculum effectiveness through student performance metrics, contributing to a 30% improvement in student outcomes compared to previous seasons.

CLUBS AND EXTRACURRICULARS

Telemetry Team Lead | *Calgary Solar Car* October 2022 - Present

- Managing and leading a team of 9 students building real time web apps for electric solar MOVs.
- Contributed to the development of an inventory management system tracking over 100+ items and streamlined content management, using **SQL** and DynamoDB.
- Implemented a data compression tool, reducing image sizes by over 40% and enhancing application performance.
- Leveraged **R** and **Python** machine learning algorithms within **Docker** containers to analyze vehicle data, providing insights that optimized driver performance and vehicle efficiency.

Full Stack Developer | *Code The Change YYC* December 2023 - Present

- Developed a web based Hackathon Management Tool leveraging **React**, **AWS**, and **Git**, reaching over 200+ users annually.
- Implemented a content management system along with role based access control together with a team of 12 developers, optimizing for speed and scalability.

Co-VP of Events | *Vietnamese Students' Association* October 2022 - Present

- Collaborating with 20+ students to plan events celebrating Vietnamese culture and traditions.
- Leading over 15+ events and volunteering opportunities with over 200+ attendees, including volleyball, bake sales, movie nights, and year end galas.

TECHNICAL PROJECTS

480Airlines: Modern flight reservation web application leveraging React and Node.js.

Toolshed: Web app for sharing tools and equipment, featuring cloud services and testing frameworks.

Tmangroup: CMS-powered website for localDJ to share event updates and upcoming shows.

theCookBook: React app focused on helping users create and manage cooking recipes.