

# Edward Zou

587-890-1988 | [edwardzou10@gmail.com](mailto:edwardzou10@gmail.com) | [linkedin.com/in/edward](https://www.linkedin.com/in/edward) | [github.com/edwzou](https://github.com/edwzou)

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, R, Haskell, LaTeX

**Frameworks:** AngularJS, ReactJS, React Native, Express, Django, Expo, Spring, Docker, Azure Portal

**Development skills:** Git, Agile/Scrum, Version Control, CI/CD, Cloud Computing, Debugging, Unit Testing

## EXPERIENCE

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### Software Engineering Co-op

Jan. 2022 – Aug. 2022

*Dodge Construction Network*

*Vancouver, BC*

- Developed high quality software and features in accordance with team requirements and feedback
- Diagnosed and resolved a performance issue, resulting in a 30% increase in page rendering speed
- Implemented unit test code and provided assistance in additional relevant test automation
- Played a key role in advancing ongoing enhancements for both existing and future systems
- Worked closely with other functional groups including Quality Assurance, Operations and Client Services

### Co-Founder and Chief Innovation Officer

July 2019 – June 2021

*Popular Innovation Inc.*

*Calgary, AB*

- Influenced and directed IT infrastructure to drive key business strategies and processes
- Applied emerging technology knowledge to achieve key business objectives
- Built agile and responsive teams to maintain cloud-based and stand-alone systems
- Collaborated seamlessly with various teams throughout the duration of different projects and milestones
- Served as member on the board of directors

## EDUCATION

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### The University of British Columbia

Vancouver, BC

*Bachelor of Science in Computer Science*

*Sept. 2019 – May 2024*

## PROJECTS

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### Flash | *JavaScript, HTML/CSS, Prisma, Node.js*

Jan. 2023 – Present

- Developed a full stack web application aimed to connect students and tutors seamlessly
- Designed and implemented user-friendly profiles for both students and tutors, enabling students to post standard listings or express needs through fast listings, while tutors can engage through personalized contact information
- Crafted an intuitive UI and front-end experience leveraging JavaScript, ensuring a seamless user journey
- Engineered a robust back-end system utilizing Prisma, featuring custom API endpoints, and hosted the application within a Node.js server environment

### insightUBC | *TypeScript, JavaScript, HTML/CSS, Node.js*

Sept. 2022 – Dec. 2022

- Developed a full stack web application which enabled users to query UBC campus metadata
- Enabled users to search for courses by average criteria or find certain course's average
- Designed and fine-tuned the user interface and front-end using JavaScript and HTML/CSS
- Developed functionalities with Node.js hosted back-end in TypeScript along with RESTful web server architecture

## CERTIFICATION

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### Amazon Certified

Remote

*AWS Certified Developer Associate (DVA-C02)*

*December, 2023*

- Master core AWS services, architecture best practices, and usage understanding
- Develop, deploy, and debug cloud-based applications effectively on the AWS platform

### Microsoft Certified

Remote

*Microsoft Azure Developer Associate (AZ-204)*

*July, 2023*

- Design and deploy Azure solutions encompassing compute, storage, and service consumption
- Secure, monitor, troubleshoot, and optimize Azure solutions, including third-party service connectivity