

# Edward Zou

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

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, PostgreSQL/MySQL, MongoDB, JavaScript, TypeScript, HTML/CSS, R  
**Frameworks:** Angular, React, React Native, Node.js, Express.js, Next.js, Django, Expo, Spring, Bootstrap  
**Dev. skills:** Git, Agile/Scrum, Version Control, CI/CD, Debugging, Unit Testing, Data Structures and Algorithms  
**Dev. tools:** GitHub, GitLab, Docker, Jira, Bitbucket, Postman, VS Code, AWS, Azure, GCP, IntelliJ, Eclipse

## 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
- Successfully 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 crucial role in advancing ongoing enhancements for existing and future systems, collaborating with cross-functional groups including Quality Assurance, Operations, and Client Services

**Co-Founder and Chief Innovation Officer** Jul. 2019 – Jun. 2021  
*Popular Innovation Inc.* Calgary, AB

- Influenced and directed IT infrastructure to align with and drive critical business strategies and processes
- Applied advanced expertise in emerging technologies to successfully achieve critical business objectives
- Established agile and responsive teams for the milestones of both cloud-based and stand-alone systems, collaborated effectively across teams on various projects, and served as a member on the board of directors

**Data Analyst and Blockchain Engineer** May 2021 – Aug. 2021  
*HACCTECH Ltd.* Calgary, AB

- Utilized Python/SQL to conduct various Data Analytic tasks, including data wrangling, exploratory data analysis, data trending, feature extraction, pattern interpretation, BI dashboard with Tableau
- Fully implemented blockchain ecosystem by integrating cryptography, Ethereum, coupling with designing, multi-threaded coding, testing, troubleshooting, and evaluating blockchain projects

## 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 app connecting students and tutors seamlessly, with user-friendly profiles for posting standard or expressed listings and personalized contact information
- Designed and implemented an intuitive UI and a smooth user experience with JavaScript for the front-end and a robust back-end system utilizing Prisma and Node.js featuring custom API endpoints

**insightUBC** | *TypeScript, JavaScript, HTML/CSS, Node.js* Sept. 2022 – Dec. 2022

- Built a full-stack web app allowing users to query UBC campus metadata and search for courses
- Designed and optimized the user interface and front-end using JavaScript and HTML/CSS, while implementing functionalities in the TypeScript-powered Node.js back-end with a RESTful web server architecture

## CERTIFICATION

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**Microsoft Certified** Remote  
*Microsoft Azure Developer Associate (AZ-204)* Jul. 2023

- Proficient in the design and deployment of Azure solutions, spanning compute, storage, and service consumption
- Expertise in securing, monitoring, optimizing Azure solutions, emphasizing third-party connectivity
- Demonstrated ability to navigate and enhance Azure environments for efficient and effective operations