

# Alvin Xu

<https://ax920.github.io>

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(587) 223-9978

## TECHNICAL SKILLS

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- **Languages:** Typescript, Javascript, Java, Python, SQL, NoSQL
- **Technologies:** React, ExpressJS, DynamoDB, MongoDB, Cloudwatch, S3, EC2, Angular, Docker, Figma, Git

## EXPERIENCE

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- **UBC Visual Cognition Lab** Vancouver, BC  
*Manager, Coding* May 2022 - Present
  - Led a team of nine student developers, UI/UX designers, and graphic designers in building and releasing a revamped laboratory website
  - Spearheaded an overhaul of the document storage system with the goal of reducing the average time taken to find a file
  - Oversaw a team that successfully developed two web-based behavioural experiments exploring the effects of inattention blindness
  - Supported the professional growth of team members by first learning about their personal interests and abilities, and then assigning projects and tasks accordingly
- **Amazon** London, UK  
*SDE Intern, Prime Video Resilience Engineering* Oct 2022 - Mar 2023
  - Achieved a 10% reduction in the number of API calls necessary from an internal service to AWS CloudWatch, resulting in decreased monthly expenditure and maintenance efforts. This multi-threaded solution is ready to scale up to 10x existing traffic
  - Designed and implemented a highly requested feature for an internal service that allows users to perform math expressions on time-series data, eliminating the need for manual calculations
  - Ensured that feature designs were customer-centric and backwards-compatible, providing a seamless experience for existing users while meeting the needs of various internal teams
  - Successfully earned the AWS Certified Solutions Architect Associate certificate during the internship period, demonstrating a strong commitment to enhancing skills outside of regular work hours
- **TD Bank** Vancouver, BC  
*Software Engineer Intern, Payments Innovation* May 2022 - Aug 2022
  - Led the design and implementation of an internal website to be used by TD employees to engage in internal charity events
  - Created a RESTful API, allowing the frontend to read/write to a Mongo database and perform user authentication

## PROJECTS

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- **BackStory:** Photo collection/sharing application where you can write a description on the back of a photo, similar to how your parents might write a little something on the back of a photo print **React, Express, Mongo**
- **Covid Gym Availability:** Script that alerts the user through text message when there is an availability at the UBC gym **Python, Selenium WebDriver**

## CERTIFICATIONS

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- **AWS Certified Solutions Architect - Associate:** issued March 8, 2023

## EDUCATION

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- **University of British Columbia** Vancouver, BC  
*B.Sc, Major in Computer Science; Minor in Commerce* Sept 2018 - Aug 2023