Alex Yeung

Richmond, BC • 778-512-9913 • alex.ly.yeung@gmail.com • github.com/alyoawesome
www.linkedin.com/in/alexlyeung • alexyeung.netlify.app/

EDUCATION

University of British Columbia Vancouver, BC
Bachelor of Science in Computer Science *Expected Graduation: 2026*

TECHNICAL SKILLS

Programming Languages / Tools: Python, Java, JavaScript, HTML/CSS, SQL, TypeScript, C++, React, Vue.js, Node.js, Express.js, SSMS, Cypher QL, MongoDB, Google Firebase, Docker, GitHub, Azure

Coursework: Data Structures & Algorithms; Computer Systems and I/O architectures; Software Engineering

EXPERIENCE

Angel Host • *Software Engineering Intern • Remote* *June 2023 - Present*

- Collaborated with cross-functional teams guided by the **Scrum** framework to implement features across company websites with **1000+ properties**, utilizing **React, TypeScript, Node.js, Express.js, and SQL**
- Automated a property onboarding process that transfers listing information across multiple property management platforms using **Python, REST APIs, JavaScript, and SQL,** accelerating the previous manual process **by over 5x for 300+ new listings** and for all future listings
- Developed a prompt generation software that generates copywriting information for listings, reducing copywriting time **from 3 hours to 20 minutes per listing,** using **Python, SQL, and ChatGPT's API**

Fraser Health Authority • *Systems Analyst Intern • Surrey, BC* *September 2023 - December 2023*

- Engineered a new automated system that extracts **thousands of patient records** weekly and developed automated data integrity checks on the records, reducing manual errors and accelerating the validation process **by 85%,** using **SQL, SSMS, Python, Jupyter Notebook,** guided by **TDD** principles
- Developed a Python-based validation, reporting, and data transfer process for an education software used to train medical students across **12 provincial hospitals,** saving **hours of manual work weekly**

Amazon Web Services • *AWS DeepRacer Student Finalist • Vancouver, BC* *January 2022 - April 2022*

- DeepRacer allows college students to use **machine learning to train RL car models** in simulated race track environments and race others around the globe in virtual competitions
- Engineered optimal reward functions to achieve the fastest race times for a variety of tracks using **Python and reinforcement learning**, reducing total race times from **10+ minutes to 2.5 minutes**
- Ranked **8th internationally out of 2000+ competitors** by the end of April's competition and was awarded a physical model of the DeepRacer car

PROJECTS

TechHorizons | *Vue.js, Node.js, Express.js, Axios, MongoDB, Google Firebase, Render* | *GitHub* | *See Live*

- An e-commerce platform with responsive product browsing that allows users to log into their accounts securely, look up product details, add items to their own carts, and save their information in a database
- Developed backend with **Node.js** and **Express.js** for RESTful API interactions, **MongoDB** for storing user and cart profiles, **Google Firebase** for authentication, and deployed on **Render**, adhering to **CI/CD** practices

JPMorgan • Software Engineering Virtual Program on Forage | *Python, TypeScript, React*

- Engineered a live graph on a web application that monitors stock trends and generates an alert on deviations beyond 10% from the 12-month average, helping traders develop trading strategies more efficiently

Educational Planner | *Java, Java Swing, JUnit* | *GitHub*

- Developed a **Java Swing-based** academic tracker with intuitive grade management, persistent data storage, and comprehensive **JUnit testing** to ensure reliability and handling of diverse academic scenarios
- Allows students to add and delete marks, assignments, and courses, view overall course averages, and securely save their academic records to continuously monitor their progress