

# Annie Liu

[annieliu10.github.io](https://annieliu10.github.io)  
[github.com/annieliu10](https://github.com/annieliu10)

[annieyt8880@gmail.com](mailto:annieyt8880@gmail.com)  
[linkedin.com/in/annie-liu-yt](https://linkedin.com/in/annie-liu-yt)  
+ (1)604-908-8689

## EDUCATION

### University of British Columbia

Sept 2019 – May 2024

*Combined Major in Computer Science and Business*

*Vancouver, BC*

- Expected Graduation May 2024
- Trek Scholar (top 5% in faculty), Recipient of \$20,000 in entrance scholarships
- Relevant courses: Software Construction, Algorithms and Data Structures, Introduction to Computer Systems, Introduction to Software Engineering

## WORK EXPERIENCE

### Coinbase

May 2022 - August 2022

*Software Engineer Intern*

*Remote*

- Enhanced Coinbase's **top 5** security infrastructure goals – increasing the visibility of internal privileged access – by pioneering the creation of **two** high impact **Identity & Access Management** tooling from scratch
- Enabled **4000+** employees to audit internal user access history by developing and launching an API which captures **hundreds** of employee access logs from Datadog daily, and handles data processing, safe storage, and data querying upon incoming requests all using **Datadog**, **AWS resources**, **MongoDB**, **Go** and **Google Protocol Buffers**
- Minimized operational toil by building a cron job that compiles **thousands** of user access logs periodically, and developing a querying API that filters and aggregates logs into easy-to-read statistics using **Go** and **MongoDB**

### SAP

May 2021 – Dec 2021

*Software Engineer Intern*

*Vancouver, BC*

- Launched a new internal Slack feature to all feature development teams to retrieve real-time toggle statuses for various systems using **Python**, **PHP**, **Groovy**, **Jenkins** and **Slack API** which integrates the team's feature flag micro-service with a self-served Slack bot
- Increased the accuracy of critical automated tests written with the **Selenium webdriver** framework and **TypeScript** from **80%** to **95%**

### University of British Columbia

Jan 2021 – Apr 2021

*Computer Science Undergraduate Teaching Assistant*

*Vancouver, BC*

- Undergraduate TA for CPSC 210: Software Construction, using **Java**
- Improved programming knowledge and performance of **20+** students in the software construction course by helping them with system design, object-oriented programming principles, **JUnit** testing and versioning with **Git** as well as leading weekly labs, office hours **9** hours/week

## PROJECTS

### QuantReady | *TypeScript, Express, MongoDB*

- Spearheaded full-stack development of an interview preparation platform for quantitative finance interviews
- Provided mentorship to 3 other co-developers on the project through pair-programming and debug sessions

### Outreach Assistant | *Java, JUnit, JavaSwing, Git*

- Secured partnerships with employers from **50+** companies by creating an outreach application using **Java** which automates the outreach process of prospecting, following up and booking sales meetings
- Achieved a code coverage of **100%** through testing with **JUnit** to maintain control flow of the program
- Developed a user-friendly GUI with **JavaSwing** library

### Euphoria | *Python, Flask, Axios, Google's NLP API, Git*

- Targeted sub-reddit communities to help them detect signs of depression by building an early risk detection tool in the form of a **Reddit** bot that uses ML to analyze linguistic patterns
- Engineered API endpoints with **Flask** in back-end to configure the bot and user information to improve user performance
- Achieved an **85%** accuracy of sentiment analysis of Reddit posts using **Google's Natural Language Processing API**

## TECHNICAL SKILLS

**Languages:** Java, Go, Python, Groovy, C/C++, TypeScript, R, SQL

**Frameworks:** Express.js, Selenium, Flask, JUnit

**Developer Tools:** AWS, MongoDB, Postman, Google Cloud Platform, Jenkins, Git, Gerrit, VS Code, IntelliJ