

# Ali Salamatian

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## EDUCATION

### University of British Columbia

Vancouver, BC

*Bachelor of Science, Computer Science*

*Expected Graduation: April 2025*

- **Cumulative GPA: 4.33 (94% Average)**
- Coursework: Computation Structures, Software Design (Java), Data Structures (C++), Computer Systems (C)
- Awards: Science Scholar and Dean's list, Trek Excellence Scholarship (top 5% of faculty of science)

## TECHNICAL SKILLS

**Programming Languages:** Java, C++, JavaScript, Typescript, Python, SQL

**Database:** MongoDB, DynamoDB, Firebase Firestore, MySQL, Oracle

**Technologies and Tools:** React, React Native, Node.js, AWS, Git, Java Spring, Spring Boot, Jenkins

## EXPERIENCE

### Mastercard

May 2022 – December 2022

*Software Engineer Co-op | Tech Stack: Java Spring, SQL, Jenkins, Bash*

*Vancouver, BC*

- Developed a feature presented to 200 colleagues that updates over 600 models with a specific pattern in production, saving hours of error-prone manual work
- Developed automated functional tests by calling web-services and built a Jenkins pipeline that allows the execution of the utility in different environments
- Contributed to the redesign of an internal app; created the CRUD operations for the web-service that is used to assign a reason code to declined transactions, and deployed it to Pivotal Cloud Foundry
- Helped in the migration of our application delivery technology to Chef Habitat by writing the services' configurations, and gave an overview of the new CI/CD flow to my team

### UBC LaunchPad

September 2021 – Current

*Software Developer | Tech Stack: Typescript, AWS Amplify, GraphQL, React Native*

*Vancouver, BC*

- Worked in a group of eight to build a mobile app that matches UBC students based on their interests
- Designed an algorithm that suggests friends to users using AWS lambda function
- Implemented a feature to display the chat history, leading to a massively improved user experience

## TECHNICAL PROJECTS

### Investment Tracker | Java, MySQL

- Simulated stock market trading that allows users to make a profile, trade stocks, and check an overview of their portfolio on a bar-chart
- Authenticated users and calculated their profits by writing SQL queries to select, insert and update the values on the MySQL database
- Designed a maintainable backend by applying encapsulation, inheritance, observer and iterator design patterns, and writing unit tests

### Crypto SaSa | JavaScript (React, React Native), Firebase

- Developed a web and mobile app to help authenticated users have a record of their crypto investment by saving each transaction in Firestore collections
- Fetched data from public APIs to get live prices of four coins and calculated user's real-time profit

### SaSaSurance | C++

- Developed a backend logic that connects people, businesses and insurances and allows customers to track their remaining coverage
- Followed OOP principles, implemented bidirectional association, wrote unit tests using Google Test

### Problem Bank for nwHack2022 and Gear Sharing for FreyHacks | MongoDB, Express, React, Node.js

- Used Axios to send API requests that allows users to create and browse problems and sort them based on their number of likes
- Implemented controller and routing logic using mediator design pattern, and utilized mongoose to model the posts and save user's information