

Ali Salamatian

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EDUCATION

University Of British Columbia

Vancouver, BC

Bachelor of Science, Computer Science

Expected Graduation: April 2025

- **4.33 (94%)**
- Coursework: Computation Structures, Software Design, Data Structures (C++), Operating Systems(C)
- Awards: Science Scholar and Dean's list, BC-Excellence Scholarship, awarded to the top 50 high-school students

TECHNICAL SKILLS

Programming Languages: Java, JavaScript(React, React Native), Node.js, Typescript, Python, SQL

Database: MongoDB, DynamoDB, Firebase Firestore, MySQL

Technologies and Tools: Git, Amazon Web Services, Java Spring, Jenkins, Postman

EXPERIENCE

Mastercard

May 2022 – December 2022

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

Vancouver, BC

- Developed a feature that updates models that follow a specific pattern in production; saved about 2000 minutes of prone to error manual work
- Developed automated functional tests by sending Post and Get APIs and built a jenkins pipeline that allows executing the utility in different environments
- Learned the infrastructure of different servers by writing their configurations in a TOML file
- Contributed to redesigning of an internal app; created a CRUD operation for the web-service that is used to assign a reason code to declined transactions

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 and personality
- Worked with AWS Lambda and designed an algorithm to suggest friends to users based on their interests
- Created a feature allowing users to view their chat history, leading to a massively improved user experience

TECHNICAL PROJECTS

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

- Developed a web and mobile app to help authenticated user's 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

Investment Tracker | **Java, MySQL**

- Simulated stock market trading, allowing 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 following object oriented programming principles and applying encapsulation, inheritanc, observer and iterator design patterns, and writing unit tests

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
- Wrote the entire back-end; implemented controller and routing logic in Node.js, and used mongoose to model the posts and save user's information