

Sarah Li

COMPUTER SCIENCE · STATISTICS · YEAR 3

Vancouver, British Columbia, Canada

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Skills

Programming Languages Scala | Java | TypeScript | HTML | CSS | C++ | Python | JavaScript | C | SQL
Frameworks & Libraries AngularJS | RxJS | ReactJS | React Native | ScalaTest | Jasmine | Gatling | JUnit
Development Tools IntelliJ | Linux/Unix | Chrome DevTools | Git | Android Studio | Cassandra

Education

University of British Columbia

Sept 2017 - Apr 2022

B.S IN COMPUTER SCIENCE AND STATISTICS · CGPA: 86%

- Achievements: Dean's Honour List, British Columbia Achievement Scholarship, instructor-endorsed Piazza poster

Experience

Undergraduate Teaching Assistant

Sept 2020 - Present

STATISTICS DEPARTMENT, UBC

- Host office hours to provide guidance in elementary statistics and R to students and facilitate in-class activities

Software Developer Co-op

Sept 2019 - Aug 2020

VISIER INC.

- Developed and revised a core analytics product allowing users to build projection models and visualize future data with a cross-functional team, as the main contributor for several full-stack features
- Performed code review and evaluated technical tradeoffs of designs to ensure high code quality
- Significantly improved performance in the application by decreasing backend calculation complexity
- Updated complex server side APIs in Scala, revamped and created new UI in TypeScript and AngularJS, and created comprehensive test suites using ScalaTest, Jasmine, and internal testing frameworks

Projects

Tinder for Cats

Feb 2020

NWHACKS UBC

- Cross platform mobile app for pet owners to meet and schedule meetings and playdates for their pets
- Created using Javascript/JSX with React Native and a Firebase database

Voice to Sign Language Translator

Nov 2019

LOCAL HACK DAY UBC

- Android app aiming to bridge language barriers by translating both text and voice phrases to American Sign Language
- Created using Microsoft Azure's voice recognition API and Android Studio

Fitness Tracker

Feb 2019

PERSONAL

- Desktop app which allows users to log calorie intake and calorie burn per day, and save previous health logs
- Created using Java, JavaFX, and JSON parsing of a public nutrition API

Extra-Curriculars

Science Undergraduate Society

Sept 2017 - April 2019

- Represented first year students at council meetings by sharing opinions and ideas provided by peers
- Created marketing material for the SUS in the form of memes and videos
- Helped to engage Science students by organizing social events, distributing exam care packages, and general outreach

Imagine Day Orientation Leader

Sept 2018 - Nov 2018

- Mentored a group of first year students throughout their first months at UBC
- Provided advice for academic success and communicated requirements of the computer science program