



Ronney Lok

+1 (778)-322-7808 | www.linkedin.com/in/ronneylok | www.ronneylok.com | www.github.com/ronneylogs

Technical Skills

- Languages: Python, C/C++, Java, HTML/CSS, Javascript, SQL, Dart, Matlab
- Frameworks: Flutter, ReactJS, ExpressJS, NodeJS, Flask, AWS
- Tools & Databases: Pandas, Beautiful Soup, Selenium, Twilio, Bootstrap, Tailwind, ArcGIS, MongoDB, SQLite

Work Experiences

Software Developer Intern

University of British Columbia (Network and Infrastructure Department)

Vancouver, BC

Jan – Aug 2024

- Developed a network configuration Angular app for the team to use in managing networks for 3 campuses, 2 hospitals, and over 100 facilities.
- Proposed and designed an ETL pipeline for a network testing project, reducing development time for feature extensions by 15%.
- Enhanced internal automation system by building a data migration program using Python and SQL scripts.
- Implemented Jasmine integration tests ensuring 70%-80% branch coverage per each feature in Angular app.

Software Developer Intern

Diastolic Robotics Inc.

Vancouver, BC

Jan – Apr 2023

- Developed a sleep apnea assessment iOS/Android app through the Flutter SDK with a reach of over 300 users.
- Programmed communication between Arduino boards and smartphones via Bluetooth Low Energy for wearable medtech.
- Applied smoothing algorithms to clean and preprocess raw sensor data from medical devices resulting in a 10% reduction in noise and improved reading accuracy.
- Authored testing and analysis research reports involving 50+ test cases ensuring comprehensive coverage.

Related Experiences and Selected Projects

Software Developer

[SFU Blueprint](#)

Burnaby, BC

Jul 2023 – Present

- Collaborated in a cross-functional team to develop a [volunteer management system](#) for [Our Community Bikes](#) (NPO).
- Developed the [SFU Blueprint website](#), used by over 500 students and 50 nonprofits to support social good initiatives.
- Mentored new undergrad developers on software development, enhancing their contribution and speeding up projects by 20% to meet deadlines.
- Formed computer science event collaborations with other student-led organizations with 80+ students in attendance.

[AWS Serverless Image Processor](#)

Jul - Sep 2023

- Developed an AWS serverless image-editing web application that allows users to alter images.
- Utilized AWS services including API Gateway, Lambda, S3, and Cloudfront for APIs + hosting.
- Created implementations such as inverting, filters, pixelation, and binarizing by manipulating RGB values with Numpy.

[Hospital Bot](#)

May - Jun 2022

- Created an SMS texting chat bot that responds with the closest available hospitals and wait times.
- Used Selenium and BeautifulSoup to extract the required information from the hospital wait time website.
- Combined Twilio with Flask, to handle backend communication with APIs and used Pandas to preprocess hospital data.

Education

Simon Fraser University

Bachelor of Science, Major in Computing Science (Dean's Honour Roll)

Vancouver, BC

Sep 2020 - Present