



# Ronney Lok (he/him)

+1 (778)-322-7808 | [www.linkedin.com/in/ronneylok](https://www.linkedin.com/in/ronneylok) | [www.ronneylok.com](https://www.ronneylok.com) | [www.github.com/ronneylogs](https://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** | *AngularJS, Python, Pandas, Agile, Networking, Jira, Linux*  
*University of British Columbia (Network and Infrastructure Department)*

**Vancouver, BC**  
*Jan 2024 – Aug 2024*

- Developed an internal networking Angular web application for network engineers to use in managing network data for 3 campuses, 2 hospitals, and over 100 facilities.
- Proposed and redesigned feature to follow a Python OOP data pipeline framework saving 15% of development time on feature extensions.
- Programmed database migration scripts to handle complex network data involving over 10000 data points.
- Implemented unit and integration tests ensuring 70%-80% branch coverage per each feature.

**Software Developer Intern** | *Python, Flask, Arduino, Bluetooth Low Energy, Flutter*  
*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** | *ReactJS, NodeJS, Vercel, DevOps*  
[SFU Blueprint](#)

**Burnaby, BC**  
*Jul 2023 – Present*

- Collaborated in a cross-functional team to develop a volunteer management system for [Our Community Bikes](#) (NPO).
- Conducted interviews with industry professionals and stakeholders to identify pain points and gather requirements.
- Developed an organization website used for recruiting nonprofits and is viewed by 250+ students to join our mission.
- Mentored junior developers on software development, enhancing their contribution and speeding up projects by 20% to meet deadlines.

[AWS Serverless Image Processor](#) | *Python, AWS, ReactJS, Chakra UI*

*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](#) | *Python, Flask, Twilio, BeautifulSoup, Selenium*

*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*