



# Ronney Lok (he/him)

+1 (778)-322-7808 | Vancouver, B.C | [www.linkedin.com/in/ronneylok](https://www.linkedin.com/in/ronneylok) | [www.ronneylok.com](https://www.ronneylok.com)

## Education

### Simon Fraser University

Bachelor of Science, Major in Computing Science & Minor in Mathematics

Vancouver, BC

September 2020 - Current

## Technical Skills

- Languages: C/C++, Java, Python, HTML/CSS, Javascript, SQL, Dart, Arduino, x86 Assembly
- Frameworks: Flutter, ReactJS, ExpressJS, Flask
- Databases: MongoDB, SQLite
- Tools: Beautiful Soup, Selenium, Twilio, Bootstrap, Tailwind, ArcGIS, Matlab
- Operating Systems: Linux, Mac, Windows

## Work Experience

### Diastolic Robotics Inc.

Software Developer Intern

Vancouver, BC

January – April 2023

- Created both iOS/Android apps through the Flutter SDK and successfully launched them to the public.
- Developed medical web applications with HTML, CSS, Javascript and use of the Bootstrap 5 framework.
- Programmed and prototyped medical apps which connected a smartphone to an Arduino board via Bluetooth Low Energy.
- Tested, and applied numerical analysis concepts in code to approximate data used for medical applications.

## Projects and Experience

### Bill Wizard

April 2023 - Current

- Designed and developed a social receipt splitting iOS/Android app to help friends properly itemize bills for fair splitting.
- Programmed features include friendship and bill handling all through ExpressJS + MongoDB.
- Created Frontend UI with the Flutter SDK, and state management handled with Riverpod.

### Chit Chatte (cat)

May 2023 - Current

- Developed an online chatting web app for cat parents to exclusively share their cat photos instead of bombarding each other's cell text message inbox.
- Designed UI with responsiveness in mind with React JS + Vite, and Tailwind CSS.
- Programmed an Express + MongoDB backend to handle api requests and WebSocket.

### Maze Game (CMPT276 Introduction to Software Engineering)

January - May 2023

- Developed a 2d maze escape game where the user can control movement and abilities via keyboard inputs. Coded in Java.
- Designed the entire game with OOP and the factory design pattern in mind which helped with keeping the code organized and reusable.
- Debugged and tested for robustness using JUnit testing.

## Hospital Bot

May - June 2022

- Created a texting chat bot that allows users to text their address to a bot. The bot then texts back the locations of the closest hospitals as well as their wait times. Coded in Python.
- Used web scraping tools, Selenium and BeautifulSoup to extract the needed information from the hospital wait time website.
- Combined Twilio with Flask, Gunicorn, and Heroku to deal with the server side communication.

## Image Processor (CMPT120 Introduction to Computer Science)

January - May 2023

- An image editing tool that takes in an image and alters the image according to user commands.
- Created implementations such as inverting, rotating, brightness, filters, pixelation, and binarizing all in Python.
- Assisted in understanding how the computer perceives images as a combination of RGB pixels, and how altering different aspects of it leads to different outcomes. Earned a 90% on the project.

## Volunteer and Extracurricular

---

### Killarney Robotics Club

September 2019 - June 2020

#### Director

- Built a fully remote controlled robot to participate in the 2020 FIRST Robotics Competition in Victoria B.C.
- Managed a Krispy Kreme fundraiser across multiple locations across Richmond, Vancouver, and Burnaby which raised over \$600 to help with robotics funds.
- Drafted a sponsorship proposal to First Robotics which helped obtain \$6000 in parts for the robotics team

### Royal Canadian Air Cadets

September 2014 - June 2019

#### Staff Cadet Instructor

- Taught basic aviation components and leadership to younger cadets through interactive lessons which helped them build their knowledge on aviation and drill discipline.
- Planned a weekend long camping exercise for cadets to gain skills on survival, range, and search & rescue helping them pass their level assessments.
- Competed in a 40 person marching band competition winning first place in B division for the first time in squadron history.

## Other Work Experience

---

### Boiling Point Group

Vancouver, BC

#### Server / Bar / Cook

June 2021 - March 2022

- Worked as a server, bar and cook demonstrating flexibility in different roles and environments.
- Tasked with training recruits and shipment duty which indicates a high level of trust and accountability.
- Earned an Employee of the Month Award for always maintaining an uplifting and willing to learn attitude.

### Harry Rosen

Vancouver, BC

#### Seasonal Sales Associate

December 2018 - January 2019

- Worked closely with sales advisors to provide tailored customer service to clients.
- Maintained the unique display specifications of over 15 different luxury brand showrooms.

## Interests and Awards

---

**Awards:** Dean's Honour Roll, Killarney Strings Award (violin), Illuminate National Business Competition (2nd place)

**Interests:** Piano, Reading, Hiking, Recreational Skating, PC-building, Arduino Boards, Apple