Ronney Lok (he/him)

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Technical Skills

- C/C++, Java, Python, HTML, CSS, Javascript, Dart, Arduino
- Testing, debugging, troubleshooting, documentation, prototyping

- Git, Flutter, Beautiful Soup, Selenium, Flask, Twilio, Bootstrap, ArcGIS, MatLab, Arduino
- Linux, Mac OS, Windows

Current Work Experience

SOFTWARE DEVELOPER INTERN   DIASTOLIC ROBOTICS INC. , VANCOUVER, BC   **JAN - APR 2023**

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

Projects and Experience

MAZE GAME   CMPT276 INTRODUCTION TO SOFTWARE ENGINEERING   **JAN - APR 2023**

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

HOSPITAL BOT   **MAY - JUN 2022**

o 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.
o Used web scraping tools, Selenium and BeautifulSoup to extract the needed information from the hospital wait time website.
o Combined Twilio with Flask, Gunicorn, and Heroku to deal with the server side communication.
o Aided in learning about server side programming, as well as web scraping.

Education

BACHELOR OF SCIENCE IN COMPUTING SCIENCE WITH A BUSINESS MINOR, SFU   **SEP 2020 - PRESENT**

o Simon Fraser University, Burnaby, BC