Negar Bagheri Hariri

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TECHNICAL SKILLS

- Programming languages: proficient in **C**, **C++**, **Python3**, **SQL, Swift** and learning **HTML5, CSS3, ReactJS, Java**
- Knowledge: **Operating Systems, Database Management System, Data Structures & Algorithms, iOS App Development**
- Operation system: **MacOS, Linux, Windows**
- Development Tools: **XCode**, **Eclipse IDE, Flutter, Android Studio, Git**

PROFESSIONAL EXPERIENCE

Software Test Engineer, Sierra Wireless, Richmond, B.C **May 2018 - December 2018**

- Designed and executed test cases for SMACK, Kernel Modules and AirVantage with clear objective to cover the API functionality and customer's use cases.
- Maintained and wrote automation scripts using **Python** and **C** to test new features on embedded **mangOH** devices.
- Communicated remotely with developer and QA team to provide detailed information using JIRA ticketing software.

Software Test Engineer, Maxim integrated (Icron), Burnaby, B.C **January 2018 - May 2018**

- Coordinated and implemented test procedures for **USB** and **HD video extension** by setting up different scenarios, and complex setups on various operating systems including Mac OS/Linux/Windows.
- Performed Automation/Regression/Manual testing to ensure the reliability of the products for client satisfaction**.**

PROJECTS

Price Tracking Website for PC parts **July 2020 - August 2020**

Web-based Information Systems (CMPT 470)

- Wrote **Django REST framework** models for user authentication and updates on shopping cart features that tracks prices of products, informs the user in the case of a price drop and provides options on where to purchase it.
- Used **Celery beat** for scheduling to update the price for every 30 minutes.
- Used **Docker Compose** to deploy the images of PostgreSQL, Django and Celery beat.
- Source Code: leom/cmpt470-final-project.git.

Ryerson University's Hackathon **May 2020**

48-hour Virtual Hackathon

- Worked alongside a team of four to build a functioning **android** application in order to slow down the spread of COVID-19.
- Programmed using **Dart** in **Google Flutter Framework** to track each individual's contacts.
- Developed backend code and its connection to **Google Firebase** as the cloud storage option to store each individual's information.
- Source Code: rdjauhari/ContactCounter.

iOS App: Mini-Games for Parkinson's Disease Treatment **November2019 - December 2019**

Software Engineering (CMPT 275)

- Acted as a developer in group of six to implement a feature that dynamically changes the difficultly of the games based on user performance.
- Designed a simple UI for users with Parkinson's disease while considering their needs.
- Followed agile methodology and collaborated using GitHub. Source code: ksackvil/CMPT-275.

Memory Management **November2019 - December 2019**

Operation System I (CMPT 300)

- Worked in a team of three to implement routines for allocating and deallocating memory using **C**.
- Used doubly-linked list to implement memory allocation algorithms: First-Fit, Best-Fit, Worst-Fit, Next-Fit.

EDUCATION

Simon Fraser University, Burnaby, BC **May 2015 - Present**

Bachelor of Applied Sciences – **Computer Engineering**

SFU Deans Honor Roll **Summer 2019**