

Rafay Leghari

legharir@mcmaster.ca | 289-981-7554 | [www.github.com/legharir](https://github.com/legharir) | www.rafayleghari.me

EDUCATION

Bachelor of Engineering, Software Engineering & Management Co-op **Fall 2015 – Spring 2020**

- **3.9 GPA**, Honours List, Awarded May Court Club of Oakville Scholarship & Golden Key Honor
- Regularly compete in programming competitions, placed 5th in PhaseOne's Coding Competition at McMaster University

EXPERIENCE

Associate Developer In Test, Intern **SAP (Toronto, ON)** **Fall 2017**

- Developed over 40 automated test suites and 30 keyword files for testing a large scale web application using **Python Selenium** with **Robot Framework**.
- Created custom keyword files in **Python**, extending the capability of the **Selenium2Library** to handle popup windows, loading masks, and frame selections.
- Implemented a post build **Groovy** script using the Atlassian **JIRA API** in **Jenkins** to automate the process of updating issues.

Software Engineer Intern **VanWyn (Hamilton, ON)** **Summer 2017**

- Led a 3 person team in developing a desktop application using **Java** to enable the wireless operation and flight testing of a flyable drone.
- Developed and tested the control logic of the Sitallite, a balloon drone, using **C++**, RF transceivers, and the **Pozyx** system, enabling **automatic** and manual flight modes.

PROJECTS

- **ScanShop**: Created an android application that given a product name or barcode, searches for online merchants that sell the item to find the most cost effective deal among them. Implemented using **AWS**, **open datasets**, **Java**, and **Android Studio**.
- **Customer Purchase Manager**: Developing a web application using **PHP/Laravel & MySQL** that allows small businesses to record customer information and transactions to analyze purchase trends.
- **Drone Flight Tester**: Developed a **Java** based desktop application that communicates with remote **Arduinos** to wirelessly fly and monitor the flight of a drone. Capable of remotely flying a drone up to 30 feet away while recording and storing data with **MySQL**.
- **Color Switch**: Remade the mobile game "[Color Switch](#)" on the web using **JavaScript** with the **p5** library.

TECHNICAL SKILLS

Programming Languages

Java, C#, Python, C++, JavaScript, PHP

Others

HTML5, CSS3, jQuery, Angular, React, Node.js, Laravel, Android Studio, Git/Gerrit, Jenkins, JIRA, Selenium, Robot