

Rafay Leghari

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EDUCATION

MCMASTER UNIVERSITY

BEng, Software Engineering & Management

Dec 2019 | Hamilton, ON

Cum. GPA: 3.9 / 4.0

Dean's List

UNDERGRADUATE

Algorithms & Data Structures

Software Engineering I & II

Computer Architecture

Logic and Discrete Math

Databases

SKILLS

PROGRAMMING

- Java / C#
- Python
- C / C++
- HTML5 / CSS3
- JavaScript
- Shell script
- Web Development
- SQL

Tools/Libs:

- Android / Android Studio
- Selenium
- JUnit
- Selenium / Robot Framework
- Git / Github / Gerrit
- Jenkins
- JIRA

MISC.

Awards/Placements:

- May Court Scholarship Recipient
- Golden Key Honor Recipient
- Top 5 placements in PhaseOne coding competitions

Speaking Languages:

- English
- Hindi/Urdu

EXPERIENCE



SAP | QE Developer, Intern

Fall 2017 | Python, Javascript, Selenium, Robot Framework

- Currently developing test suites and bug fixes for insurance and quotation management web applications.
- Wrote python scripts that generate keyword files for Robot Framework, decreasing the amount of time required for testing in sprints.
- Wrote a groovy script that automates the process of updating issues in JIRA upon successful builds from Jenkins.



VANWYN | Software Engineering Intern

Summer 2017 | Java, C++, SQL

- Led a 3 person team in developing the control system of an 8 foot tall balloon drone using Arduinos (C++), and the Pozyx system.
- Wrote a JavaFX desktop application that is used to wirelessly fly, test, and store flight information of drones using RF transceivers and MySQL.
- Worked with the team to successfully design, build, and launch a fully controllable balloon drone capable of receiving wirelessly transmitted energy.

PROGRAMMING TUTOR | Python, Java, C++

Fall 2016 - Spring 2017

- Taught undergraduate students the basics of various programming languages and fundamental problem solving skills.
- Helped students understand a variety of sorting, searching, and graphing algorithms as well as the data structures that they act on.

PROJECTS

SHOPPING HELPER | Java, Android

Spring 2017

- Worked with a team to create an android application that is able to scan a product's bar code (UPC/EAN) and search through a dataset to find the top five merchants selling the item, sorted by increasing price.

COLOR SWITCH REMAKE | [HTTPS://LEGHARIR.GITHUB.IO/TEST](https://legharir.github.io/test)

Spring 2016

- Recreated a popular mobile game called "Color Switch" using JavaScript with the p5 library.

CUSTOMER DATABASE | Java, Javascript, MySQL

In Progress

- Developing a web application that allows small businesses to record customer information and transactions to analyze customer purchase trends.