

# Rafay Leghari

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## TECHNICAL SKILLS

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### Languages

Java, JavaScript, Python, C++  
Go, HTML5, CSS3, SQL

### Frameworks & Tools

React, Redux, jQuery, Node.js,  
Android, Git, Jenkins, MySQL, MongoDB

## EXPERIENCE

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### Vena Solutions

Summer 2018

*Software Developer Intern, Office 365 Team*

- Developed and deployed a **React** application as an **Excel Online add-in**, enabling use of Vena's product both within Excel Online and Excel for Mac.
- Implemented key features such as **data validation**, **file refresh**, and **multidimensional query generation** to extract and display slices of data from OLAP cubes used by all Excel Online customers.
- Developed the UI for an ad hoc reporting application that allows for pagination and lazy loading of over **200,000** nodes in a tree structure using **JavaScript** and **React**.

### SAP

Fall 2017

*Associate Developer In Test, Intern*

- Developed over **40** automated test suites in **Python**, extending the **Selenium2Library** to handle popup windows, loading masks, and frame selections, decreasing automation suite run time by **30%**.
- Implemented a **Groovy** script using the **JIRA API** in **Jenkins** to automate the process of updating tickets.

### VanWyn

Summer 2017

*Software Engineering Intern*

- Developed a **desktop application** using **Java** and **Arduinos** to enable the wireless operation and flight testing of a telecommunications balloon drone.
- Developed and tested the flight logic of a balloon drone using Arduinos (**C++**), RF transceivers, and the **Pozyx** system, enabling **automatic** and **manual** flight modes.

### McMaster University

Spring 2018

*Research Engineer*

- Developed the UI and dashboard with **Angular** and **JavaScript** for a single page web application.

## PROJECTS

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### ScanShop

An **android** application that scans a product's barcode and outputs a list of online retailers that sell the item, ordered by ascending price. Implemented using **Java**, **Android Studio**, and the Amazon product advertising **API**.

### ActorGame

An **android** application that finds and displays the path between any two top 5000 actors using **breadth first search**. Retrieves actor images by querying the **tmdb API**.

### Color Switch

Remade the mobile game "[Color Switch](#)" on the web using **JavaScript** with the **p5 library**.

## EDUCATION

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### McMaster University

2015 - 2020

Bachelor of Engineering in Software Engineering & Management (Co-op), **GPA: 3.8**