

# Rafay Leghari

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## TECHNICAL SKILLS

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### Languages

C++, Java, Python, JavaScript

### Frameworks, Tools, and Others

Linux, Git, Jenkins, Jira, React/Redux, Flow

## EXPERIENCE

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### Jump Trading Chicago IL

June 2019 - Aug 2019

*Software Engineer Intern*

- Created a web application that displays realtime market data from real exchanges streamed through **websockets** and allows traders to submit various types of orders to exchanges.
- Implemented a general purpose key/value store using **Node** and **MySQL** that is used firm-wide.

### Vena Solutions Toronto ON

May 2018 - Aug 2018

*Software Developer Intern*

- Developed and deployed a **JavaScript/React** application as Excel Online add-in, enabling **cross-platform functionality** 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.

### SAP Toronto ON

Sep 2017 - Dec 2017

*Associate Developer In Test, Intern*

- 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, decreasing automation suite run time by **30%**.

### VanWyn Hamilton ON

May 2017 - Aug 2017

*Software Engineering Intern*

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

## PROJECTS

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**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** and the **p5** library.

## EDUCATION

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### McMaster University

Sep 2015 – May 2020

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