

# Rafay Leghari

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## TECHNICAL SKILLS

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### Languages

Javascript, C++, Python

### Frameworks, Tools, and Others

Linux, Git, React/Redux, Typescript, Tornado

## EXPERIENCE

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### Jump Trading Chicago IL

Aug 2020 - Present

*Software Engineer*

### Jump Trading Chicago IL

Summer 2020

*Software Engineer Intern*

- Created a **react** web application that displays realtime market data and allows for order submission via **websockets**. Backend and server were created with **python tornado** and **C++** respectively.
- Implemented a general purpose key/value store using **Node** and **MySQL** that is used firm-wide.

### Vena Solutions Toronto ON

Summer 2018

*Software Developer Intern*

- Developed and deployed a **JavaScript/React** application as an 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

Winter 2017

*Associate Developer In Test, Intern*

- Developed the automation suite for a large scale web application using **Python Selenium**.
- Created custom keyword files, extending the capability of the **Selenium2Library** to handle popup windows, loading masks, and frame selections, leading to **30%** reduction in run time.

### VanWyn Hamilton ON

Summer 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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### 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 – April 2020

Bachelor of Engineering in Software Engineering, **GPA: 3.8**