

Ray Liu

SOFTWARE ENGINEERING | DEVELOPER

Toronto, Canada

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Skills

Language Python · Java · Go · C/C++ · Javascript · Ruby · HTML/CSS

Frameworks Ruby on Rails · Django · Express.js · Tensorflow

Tools and Others Git · GraphQL · Node.js · jquery · AWS · PostgreSQL · SQLite · Heroku · Bootstrap

Experience

Incoming Software Engineering Intern

Toronto, Canada

PUBLICIS SAPIENT (SAPIENT CORPORATION)

May 2019 - Aug 2019

Software Engineering Intern

Tainan, Taiwan

TISC LTD.

May 2018 - Oct 2018

- Designed and implemented a user interface for the AERMOD software (By EPA) using **Python Tkinter** that allows users to simulate dispersion of air pollutant emissions from stationary industrial sources with Google Earth
- Designed and implemented test plans and test cases for the user interface

Growth Marketing Intern

San Francisco, California

JUMPSTART

Mar 2019 - Present

- Selected from a pool of thousands of candidates to work closely with the Jumpstart team to build out an ML recruiting platform
- Piloted new features, provided student feedback, and acted as a product advisor on campus
- Leveraged various growth strategies and tools including email marketing, social media campaigns, and presentations/demos

Projects

HeyTensor

HTTP://HEYTENSOR.HEROKUAPP.COM/

2019

- Developed a **Deep Learning** web application that provides users a chatbot for entertainment purposes
- Trained model based on massive data from online forum (Reddit) comments using **Tensorflow** and developed application using **Node.js** with **socket.io**
- Developed with: **Python, SQLite, Tensorflow, Node.js, Express.js, socket.io, jquery**

QuickShop

HTTPS://GITHUB.COM/CHERAYLIU/QUICKSHOP

2019

- Developed **GraphQL API** using **Ruby on Rails** that allows users to access and manipulate product data through queries and mutations to perform actions on product inventory
- Developed with: **Ruby, Ruby On Rails, GraphQL, PostgreSQL**

TrawlExpert

TRAWL.SCHANKULA.CA/TRAWL/

2018

- Developed a **Java** web application that provides research tools such as range searches, cluster map, plotter map, heat map and histogram to assist the analysis of the water ecosystems
- Developed with: **Java, Javascript, Apache Tomcat, Google Maps API**

Greco (RU Hacks)

HTTP://GRECO.TECH/

2018

- Developed a web application that allows user to rate location and create a visual 'cleanliness' overlay of their local surroundings by using **Python, Django, SQLite and Google Maps API**
- Developed with: **Python, Django, Javascript, Google Maps API**

Education

McMaster University

Hamilton, ON, Canada

B.ENG IN SOFTWARE ENGINEERING (3RD YEAR)

Sept 2016 - April 2021

- GPA: 3.75 | Dean's honour list
- Relevant Courses: Data Structures and Algorithms, Software Design, Linear Algebra, Discrete Mathematics I/II
- Machine Learning Course Certificate awarded by Stanford University