

ERIC LIU

Computer Science Undergraduate | Seeking Summer 2020 Internships

@ e48liu@edu.uwaterloo.ca 647-669-6949 eric-liu.me linkedin.com/in/eric-g-liu github.com/eric574

EXPERIENCE

Software Engineer & Full Stack Web Developer

Waterloop

Oct. 2019 – Present Waterloo, ON

- Working in the systems area on the PoD server and desktop user interface to display, send, and receive signals from the server, using **C++**, **web-sockets**, and **embedded systems programming**
- Using **React**, **Redux**, **MongoDB**, **Express**, and **Node** to build a Full-stack MERN app that all members will use as a platform to connect and network

Software Engineering Intern

Synapse Data Solutions

Dec. 2018 – June 2019 Richmond Hill, ON

- Wrote Python web-scraping script to increase database entries by **32%** and documented all methodologies in **Linux** environments
- Saved time and money by performing **data cleansing**, **web scraping**, and **data mining** on database entries with **Python**, **MySQL**, and **PHP**
- Clients include **Tencent**, **Alibaba**, **IBM**, **Rogers**, **Dell**, **Cisco**, and many more

Full Stack Web Developer

Youth Nation Alliance

July 2018 – June 2019 Richmond Hill, ON

- Optimized web assets for speed and performance, reducing load times by **85%**
- Increased registered number of users in database to **1000+** leading to a 57% growth in user engagement
- Designed, implemented and monitored full-stack web app for continuous improvement using **Vue**, **HTML**, **CSS**, **JavaScript**, **PHP**, **Vuetify**, **Socket.io**, **Firebase**, and **Heroku**

Web Developer

Youth Environmental Network of York Region

July 2018 – June 2019 Markham, ON

- Improved user experience (UX) by implementing responsive web design, driving website traffic up by **43%**
- Developed and maintained the website with **HTML**, **CSS**, **JavaScript**, and **PHP**
- Participated in weekly **scrum** meetings and gave input to board of directors

LANGUAGES

C++ C Java C# Python HTML/CSS/JS SQL PHP

TECHNOLOGIES

React Redux Vue Keras PyTorch TensorFlow Flask Express Node Git OpenCV MongoDB React-Native Django Firebase

EDUCATION

Candidate for Bachelor's of Computer Science

University of Waterloo

Sept. 2019 – Present

Awards: 1A Term Dean's Honours List, President's Scholarship of Distinction, Retiree's Scholarship

Extracurriculars: Waterloo, Computer Science Club, Coffee 'n Code, Devloopers, Data Science Club, Enactus, Finance Association

PROJECTS

Table App

Restaurant Collaborative Filtering Recommendation System

Sept. 2019 – Present

- Web and Android app built using **Django**, **Postgres SQL**, **Kotlin**, **Firebase**, **NLP**, **KNN**, **a CNN**, and **Yelp API**

DevSpace

Social Media Platform for Developers

Aug. 2019 – Sept. 2019

- Full-stack MERN app built using **MongoDB**, **Express**, **React**, and **Node**

Videofy

Video Streaming Platform Inspired by Youtube

Aug. 2019

- Full-stack web app with functionalities identical to Youtube built using **React**, **Redux**, **Semantic UI**, and **Youtube API**

ImgCleaner

Using AI to Clean and Denoise Images

July 2019

- Created web app that cleans unclear and messy images using **Custom U-Net architecture**, **Flask**, and **Pytorch**

Property Finder

Search for the Best Property Deals

July 2019

- Developed an iOS and Android app using **React-Native** and **Nestoria API**

AWARDS

LeetCode

Top 3% of Contestants Worldwide

July 2019

Google Code Jam 2019 Qualifying Round

95th percentile of Contestants Worldwide

April 2019

USA Computing Olympiad Platinum Division

Top 20% of Contestants Worldwide

Jan. 2019

Facebook Hacker Cup 2018 Qualifying Round

Top 20% of Contestants Worldwide

July 2018