

# Eric Liu

Seeking Summer 2020 Software Internships

✉ e48liu@edu.uwaterloo.ca

📞 6476696949

🌐 eric-liu.me/

in linkedin.com/in/eric-g-liu

github.com/eric574

## EDUCATION

### Computer Science Honours Co-op

University of Waterloo

09/2019 – 06/2024

Waterloo, ON

Extracurriculars

- Waterloo
- Coffee 'n Code Club
- Enactus
- Computer Science Club
- Devloopers Club
- Data Science Club

## WORK EXPERIENCE

### Software Engineer & Full Stack Web Developer

Waterloop

10/2019 – Present

Waterloo, ON

Accomplishments

- Working in the systems area on the POD server and desktop user interface/dashboard 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 people together and network

### Software Engineering Intern

Synapse Data Solutions

12/2018 – 06/2019

Richmond Hill, ON

Accomplishments

- Performed data cleansing, web scraping, and mining on database entries with Python, MySQL, and PHP
- Documented all software development methodologies in Linux build and production environments
- Wrote Python web-scraping script to increase database entries by 32%

### Full Stack Web Developer

Youth Nation Alliance

07/2018 – 06/2019

Richmond Hill, ON

Accomplishments

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

### Web Developer

Youth Environmental Network of York Region

07/2018 – 06/2019

Markham, ON

Accomplishments

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

## SKILLS

C++

Java

Python

Javascript

CSS

React

Vue.js

Keras

Pytorch

Tensorflow

Flask

Express.js

Node.js

Git

OpenCV

MySQL

MongoDB

PHP

C#

React-Native

## PROJECTS

Table (09/2019 – Present)

- Web and Android app that provides helpful and exciting restaurant recommendations using a collaborative filtering recommender system
- Built using Django, Postgres SQL, Kotlin, Firebase, Tensorflow, Scikit-Learn, Numpy, and Pandas
- Used a KNN-algorithm, CNN, and NLP for the Machine Learning

DevSpace (08/2019 – 09/2019)

- Full-stack MERN app built using MongoDB, Express.js, React.js, and Node.js
- Connects countless developers together across the world on the platform

Videofy (08/2019 – 08/2019)

- Video-streaming React web app built using Youtube's API

ImgCleaner (07/2019)

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

Property Finder (07/2019)

- Developed an iOS and Android app from scratch that searches for the best property deals using React-Native and Nestoria API

YNA Dashboard (10/2018 – 01/2019)

- Full-stack web app built using Vue, HTML, CSS, and Javascript for frontend, Firebase and Google Cloud Storage for backend, and Heroku for deployment
- Connects thousands of teens across Canada with events organized by YNA

## AWARDS

LeetCode - Top 3% of Contestants worldwide (07/2019)

Google Code Jam 2019 Qualifying Round - 95th percentile worldwide (04/2019)

USA Computing Olympiad Platinum Division - Top 20% of Contestants worldwide (01/2019)

Facebook Hacker Cup 2018 Qualifying Round - Top 20% worldwide (07/2018)

Educational Computing Organization of Ontario - 2018 Finalists (05/2018 – 05/2018)

## INTERESTS

Full Stack Development

App Development

Machine Learning

Big Data Analytics

Data Structures

Algorithms

Speed Cubing

Entrepreneurship