

ERIC LIU

Computer Science Undergraduate | Seeking Summer 2020 Internships

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EXPERIENCE

Technology Analyst & Software Developer

UW Finance Association

Jan. 2020 – Present Waterloo, ON

- Developed and maintained **websites** and **cloud storage solutions** using **HTML**, **CSS**, **JavaScript**, **Bootstrap**, **jQuery**, **Google Cloud**
- Delivered crucial online content for 200+ club members and sponsors including **BMO**, **CIBC**, **Scotiabank**, **Sun Life Financial**, **Manulife**, and more

Software Engineer & Full Stack Web Developer

Waterloop

Oct. 2019 – Present Waterloo, ON

- Worked 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**
- Used **React**, **Redux**, **MongoDB**, **Express**, and **Node** to build a Full-stack MERN app for all members to 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 scripts 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**

LANGUAGES

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

TECHNOLOGIES

React Redux Vue Docker TensorFlow Flask Express Node
Git Azure MongoDB AWS Django Postgres Google Cloud

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

PROJECTS

Table App

Restaurant Collaborative Filtering Recommender System

Sept. 2019 – Present

- Web and Android app built using **Django**, **PostgreSQL**, **Kotlin**, **Firebase**, **scikit-learn**, **NLP**, **KNN**, a **CNN**, and **Yelp API**
- Achieved an accuracy of **68.4%** on validation sets using **matrix factorization** and **stochastic gradient descent**

DevSpace

Social Media Platform for Developers

Aug. 2019 – Sept. 2019

- Full-stack **MERN** app connecting countless of developers together featuring **Redux**
- Users can manage their profiles, post, comment on, and like messages in their feed

Videofy

Video Streaming Platform Inspired by Youtube

Aug. 2019

- Full-stack web app with functionalities identical to **Youtube** built using **React**, **Redux**, **Semantic UI**, **CSS Grid**, and **Youtube API**
- Implemented home feed featuring **infinite scrolling**, **trending videos**, **video searching**

ImgCleaner

Using AI to Clean and Denoise Images

July 2019

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

AWARDS

LeetCode

Top 3% of Contestants Worldwide

July 2019

Google Code Jam 2019

95th percentile of Contestants Worldwide in Qualifying Round

April 2019

USA Computing Olympiad - Platinum

Top 20% of Contestants Worldwide

Jan. 2019

Facebook Hacker Cup 2018

Top 20% of Contestants Worldwide in Qualifying Round

July 2018