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` `Ruby`

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**
- Allows **users** to **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**
- Based on image restoration Machine Learning research papers

AWARDS

Terminal Live: Waterloo vs. UofT
Top 0.5% of algos worldwide (5th place)

📅 Jan. 2020

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