

ERIC LIU

Computer Science Undergraduate | Seeking Winter 2021 Internships

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EXPERIENCE

Director of Technology & Senior Software Engineer

WeBuild

April 2020 - Present

Waterloo, ON

- Built the company's robust website and oversaw the architecture and design of current and new systems for our clients
- Worked with clients closely to gather imperative design approval and ensure all apps designed were scalable, available, and service-oriented

Technology Analyst & Software Developer

UW Finance Association

Jan. 2020 - April 2020

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

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: Waterloo, 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

Google Code Jam 2020

97th percentile of Contestants Worldwide in Qualifying Round

April 2020

Terminal Live: Waterloo vs. UofT

Top 0.5% of algos worldwide (5th place)

Jan. 2020

LeetCode

Top 3% of Contestants Worldwide

July 2019

USA Computing Olympiad - Platinum

Top 20% of Contestants Worldwide

Jan. 2019