

ALBERT ONG

Software Engineer

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EXPERIENCE

Front-End Developer Intern

Purolator Inc.

📅 Sept 2020 – Dec 2020

- Engineered the Purolator.com website, reduced application latency and developed landing pages within the Drupal CMS
- Created REST APIs responsible for routing 80% of all application traffic and assisted team with optimization within Google Adwords
- Data tracking for attribution modeling with Google Analytics

Software Engineer Intern (Machine Learning)

Proof Zero Inc.

📅 May 2020 – Aug 2020

- Implemented propensity models to deliver highly scalable and accurate predictions for financial services using Pandas
- Performed statistical modelling for PZI probabilistic regression of orthogonal factors (PROOF) using Python, R and SAS
- Developed the client SDK for PZI applications from scratch

Full-Stack Developer Intern

Veriday Inc.

📅 Jan 2020 – Apr 2020

- Built high-performing full-stack applications using the MERN stack
- Contributed in all phases of the development cycle, resulting in increased usability and reduced run time performance by 50%

PROJECTS

MapSpeaks

- Location-based application which allows users to leave pinned messages on a cross-functional map using the MERN stack

DLNN Algo

- An Image Recognition Software that recognizes animals using a deep neural network with 95% accuracy (TensorFlow, Keras, Adam)
- Incorporated an L-layer deep neural network which utilizes He Initialization, RMSprop and an N-dimensional gradient check

MovieConnect

- Full-Stack application that provides social media highlights for 200+ yet to be released movies using React.js and Flask API
- Gathered sentiment analysis data using vaderSentiment and pulled the top 2 popular tweets from the Twitter API for movie evaluation

RAIInet

- Launched a role-playing game played between 2 players who take on the role of computer hackers in C++ (Observer & MVC Patterns)

EDUCATION

University of Waterloo

Bachelor of Mathematics

📅 Sept 2018 – Aug 2023

- Honours Statistics and Combinatorics & Optimization (Double Major)
- Undergraduate TA for second-year linear algebra (MATH235)
- Term Dean's Honour List
- Data Structures & Algorithms (A+)

SKILLS

Python C/C++ Javascript SQL
HTML/CSS R PHP Git Bash

React MongoDB Express Node
AWS Bootstrap Rails GraphQL

TensorFlow Keras Pandas SAS
Scikit-Learn Apache Spark Kafka

ACHIEVEMENTS

- Secured 2nd place for developing an online medical chat-hub called Red Scouts at **PCHacks 2019** (100+ Teams)
🏆 Red-Scouts
- Awarded 7th place at the **Fidelity Investments Case Competition** for presenting my team's case solution to a panel of judges
- Achieved 3rd place for **UWaterloo's Soccer Intramurals**
- Spearheaded residence-based organization (20+ members), **RezCouncil**, to organize networking events and promote student interaction

CERTIFICATIONS

- Designing RESTful APIs - LinkedIn
- Deep Learning Specialization - DeepLearning.ai
- Python for Data Science and Machine Learning Bootcamp - Udemy