

ALBERT ONG

Full-Stack Software Developer

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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 using Google Analytics

Software Engineer Intern (Machine Learning)

Proof Zero Inc.

May 2020 – Aug 2020

- Implemented propensity models to make scalable and accurate predictions for financial services using Pandas and Scikit-learn
- Performed statistical modelling for PZI probabilistic regression of orthogonal factors (PROOF) using Python, R and SAS
- Built the Client SDK for PZI applications using Python 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 to produce well-written, quality, testable and efficient code

PROJECTS

MapSpeaks (In progress)

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

DLNN Algo

- An Image Recognition System that recognizes animals using a deep neural network (TensorFlow, Keras, Adam)
- Features an L-layer deep neural network making use of He Initialization, RMSprop and an N-dimensional gradient check

MovieConnect

- Full-Stack application that provides social media highlights for yet to be released movies using React.js and Flask API
- Gathered sentiment analysis data using Vader Sentiment and pulled popular tweets from the Twitter API

RAIInet

- Implemented 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)
- Term Dean's Honour List (87.5%)
- Data Structures & Algorithms (A+, 91%)

SKILLS

Python C/C++ Javascript R

HTML CSS Git Bash

React MongoDB Express Node

AWS Bootstrap Rails GraphQL

SQL PHP

TensorFlow Keras Pandas SAS

Scikit-Learn Apache Spark Kafka

ACHIEVEMENTS

- Secured 2nd place among 50+ teams at PCHacks 2019 for developing an online medical chat-hub called Red Scouts to raise awareness for ill-people
github.com/theberttt/Red-Scouts
- Awarded 4th place for the Fidelity Investments Case Competition for presenting my case solution to a panel of judges after being given 2 hours of preparation time

PARTICIPATION

- Achieved 3rd place for UWaterloo's Soccer Intramurals
- Actively involved in residence-based organization, RezCouncil, to increase student interaction

CERTIFICATION

- Deep Learning Specialization - Issued by DeepLearning.ai
- Python for Data Science and Machine Learning Bootcamp - Issued by Udemy