ALBERT ONG

Software Engineer

@ a2ong@uwaterloo.ca

**** 2897887080

% theberttt.github.io

in linkedin.com/in/albertong807

github.com/theberttt

EXPERIENCE

Front-End Developer Intern

Purolator Inc.

m 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
- 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.

- 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

RAllnet

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

EDUCATION

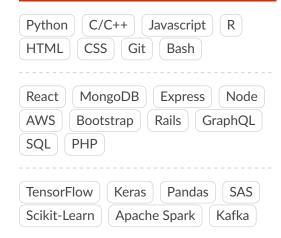
University of Waterloo

Bachelor of Mathematics

Sept 2018 - Aug 2023

- Honours Statistics and Combinatorics & Optimization (Double Major)
- Undergraduate TA for second-year linear algebra (MATH235)
- Term Dean's Honour List (87.5%)
- Data Structures & Algorithms (A+)

SKILLS



ACHIEVEMENTS

- Secured 2nd place at PCHacks 2019 for developing an online medical chat-hub called Red Scouts
 - github.com/theberttt/Red-Scouts
- Awarded 7th place for the Fidelity Investments Case Competition for presenting my case solution to a panel of judges
- Achieved 3rd place for UWaterloo's Soccer Intramurals
- Actively involved in residence-based organization, RezCouncil, to promote student interaction

CERTIFICATIONS

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