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Education

University of Toronto, St. George

Toronto, ON, Canada

Sep. 2017 - Exp. May. 2021

B.S. IN COMPUTER ENGINEERING

- CGPA: 3.52 / 4.0
- Awards: B.C. Achievement Scholarship, National AP Scholar (Canada)
- Dean's List Honour: Fall '17, Winter '18, Fall '18

Work Experience ____

Microsoft Redmond, WA, USA

SOFTWARE ENGINEERING INTERN

May. 2020 - Aug. 2020

Incoming Software Engineering Intern on the Azure Core Operating Systems (COSINE) Data Intelligence Group

Google Waterloo, ON, Canada

SOFTWARE ENGINEERING INTERN

Jan. 2020 - May. 2020

• Incoming Software Engineering Intern on the Google Kubernetes Engine (GKE) team

Huawei Canada R&D Kanata, ON, Canada

DEEP LEARNING RESEARCH INTERN (SUPPORT ENGINEER)

May. 2019 - Aug. 2019

- DELI ELAKINIO RESLAKCII INTEKN (SOIT OKI ENGINEEK)
- Architected TensorFlow-based deep generative models as prototypes to potentially gain a budget of \$2M for the research project.
- Developed Normalizing Flows and Wavenet models to verify that AI-based methods can optimize wireless communication procedures.
- Implemented a dynamic programming algorithm utilizing Variational Autoencoder outputs to improve signal noise-tolerance by over 10x.
- · Visualized research and experimental results to be used on 5G/pre-6G Technologies using matplotlib, Numpy, and IPython.

Projects and Competitions

GIS Mapping/Routing Application

University of Toronto, Ontario

FASTMAP

ETHERRIDE

Jan. 2019 - Apr. 2019

- Developed in C++, a mapping/path-finding application that enhances courier deliveries with the use of STL, Boost, EZGL, and OSM database.
- Implemented graph algorithms including BFS, Dijkstra's and A* algorithms to find paths for navigation and optimized for a 5x runtime speed-up.
- Optimized with multi-threading and iterative algorithms (k-Opts) to be ranked 11/110 teams in the faculty for the quality of our Courier Algorithm.

TreeHacks Stanford University, California

TURNDOWNFORWHAT Feb. 2019

- Architected a Node.js server to convert FormData voice input into streams for integrating the voice assistant with the mobile interface.
- Detected movement using the smartphone accelerometer to lower music volume when falling asleep with React-Native.

University of Toronto, Ontario

Jan. 2019

- Received the Best Aragon App by ChainSafe award out of 102 team submissions.
- Developed client and server applications to monitor Ethers. js Smart Contracts and interface with APIs through HTTP to unlock a Tesla.

Extracurricular Leadership

UTRA (University of Toronto Robotics Association)

Toronto, ON, Canada

Sponsorships Director in 2018 & Webmaster and Hackathon Lead in 2019

Sep. 2017 - Current

- · Recruited and managed a team of eight to plan and organize UtraHacks as the Executive Team Lead to gather over 200 attendees.
- · Acquired sponsorship from Solidworks, Particle, Leapmotion, Nvidia and more, totaling over \$5000 in value.

Technical Skills __

Programming Languages Python · C/C++ · Javascript · HTML · CSS · MATLAB

Web Development Node.js · React.js · Django · Flask · MongoDB

Machine Learning TensorFlow · Keras · Scikit-learn · MatPlotLib · Numpy

Others Technologies Git · Linux · Verilog HDL · ARM Assembly · Solidity · MS Office · Arduino