ANGUS LIN

Comp Eng student graduating May 2020

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EDUCATION

University of Toronto | 3rd Year BASc Computer Engineering *Sep 2015 - May 2020*

- **CGPA:** 3.77/4.00 | Top 15% in class, Dean's Honors List, $5K faculty scholarship

SKILLS

- **Software:** C++, Python, Javascript, HTML, CSS, PostgreSQL | **Hardware:** Verilog, Nios II Assembly

EXPERIENCES

Software Engineer Intern | TripAdvisor *Ottawa, Jan 2019 - Present*

- Interning on the Search and Navigation Team of TripAdvisor's Core Experience business unit.

Software Engineer Intern | Intel Corporation *Toronto, May 2018 - Dec 2018*

- Developed multiprocessing python software to generate compilation statistics for 300+ engineers and C++ dependency reduction tools projected to save up to 5 hours of build time.
- Designed test-driven C++ software, developed TCL and Perl scripts, and fixed bugs for Quartus software's incremental compile feature, resolving 30+ cases and enhancements in time for 2 software releases.

Machine Learning Intern | DataProphet *Cape Town, Jun 2017 - Jul 2017*

- Implemented a support vector machine (SVM) classifier that automated a text categorization task to solve a bottleneck during data processing by reducing each task from 1 minute to 1 second.
- Assessed a neural network model's performance and presented recommendations and analytical results from experimenting with architecture changes in Tensorflow to senior executives.

Hardware Research Intern | University of British Columbia *Vancouver, May 2016 - Aug 2016*

- Converted C code to a Verilog state machine to evaluate bottlenecks of high-level synthesis tools, resulting in a sponsorship to attend the 2016 ISCA Symposium in Seoul, South Korea.
- Developed a data collection method that is still practised in the lab to acquire CPU performance data for 6 benchmark applications using Sniper Simulator and McPAT Framework.

PROJECTS

Natural Language Processing Stock Predictor | Python *May 2017*

- Built a recurrent neural network in Keras that is trained with a corpus of embedded past articles to predict a company's future stock prices by looking at current articles released about the company.

Autonomous Maze Solving Robot | NIOS II Assembly *April 2017*

- Programmed a robot to solve acyclic mazes by developing subroutines that use 5 light sensors and 2 motors to detect and turn at intersections, adjust positioning on the path, and stop at the finish area.

LEADERSHIP

Director of Business Strategy | You're Next Career Network *Toronto, Apr 2018 - Present*

- Leading a team of 10 in executing campus events, increasing student engagement, and managing relationships for 20+ corporate clients (e.g. Google) to generate ~$20K in revenue.

Director of Business Development | You're Next Career Network *Toronto, Apr 2016 - Mar 2017*

- Surpassed previous year's Startup Career Expo by bringing in 91 startups, an 11.0% attendance growth, and engaged 3K+ students, making it the largest Startup Career Expo in Canada to date.