Website
connorjsmith.me

Github
connorjsmith

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Connor J. Smith

BASc. Candidate, Computer Engineering
University of Toronto, Expected May 2017

Experience

Software Engineering Co-Op
Top Hat, Inc.
tophat.com
May 2015 – September 2015

Designed and implemented the textbook content platform used by nearly 300,000 students and professors wordwide.

Provided a leading voice in the planning and execution process to help make critical engineering and product design decisions.

Director of Mentorship
General First Year Engineering
March 2014 – March 2015

Directed an organization of over 50 upper year mentors designed to help integrate 200 first year engineering students into university life.

Challenges included coordinating and training all mentors, communicating with external groups and managing a budget used to execute various team-building events throughout the year.

Projects

Mapping and Routing System
University of Toronto
January 2015 - April 2015

Developed and documented a full, graphical Google Maps-like application using OpenStreetMap data within a team of three engineering students.

Implemented and modified the Djikstra and A-star algorithms to achieve near-optimal solutions to the classical travelling salesman problem.

Applied the concepts of genetic algorithms and multithreading to improve efficiency and solution quality.

Real Time Assembly Interpreter
University of Toronto
March 2015

Engineered a working assembly language intepreter using Verilog HDL and the NIOS II assembly language on the Altera DE2 FPGA platform.

Modified processor hardware source code to implement custom instructions to improve the speed and maintainability of the project.

Stock Analysis Algorithm
UTEK Engineering Competition
January 2015

Designed and implemented an algorithm within a team of 4 engineers to optimize profits as a part of an open-ended competition.

Algorithm used a combination of linear algebra, calculus and heuristic optimizations to deliver an efficient and accurate solution.

Various Hackathons
Code Available on Github

YHack (2013), Hack The North (2014), UofT Hacks (2015)

Education

BASc., Computer Engineering
University of Toronto
cGPA: 3.89/4.0
Expected May 2017

Pursing a BASc. with a focus on embedded systems, networks and operating systems.

Awarded for continually demonstrating both outstanding academic performance and community involvement.

Skills & Tools

Programming Languages Python, C++, C, Javascript, HTML5/CSS3, Verilog, Assembler, MATLAB
Development Tools Django, Git, Quartus II FPGA Suite, NI Multisim, Linux/bash, Vim
Miscellaneous Oscilloscopes