Website
connorjsmith.me

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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 – Present

Overhauled the textbook content platform used by nearly two million students and professors wordwide.

Surpassed the duties of a typical intern by being a leading voice in the planning and execution process to help make critical engineering decisions.

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

Operated 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

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.

Education

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

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

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

Ranked within the top 10 students in my year.

Skills & Technologies

Python – Javascript – HTML5/CSS3 – C/C++
Verilog – Assembly Language – Django – Quartus II
Git – NI Mulisim – Linux/bash – Vim – OS X
MATLAB – Oscilloscopes