Connor Goldberg

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OBJECTIVE

Obtain a co-op for the spring and summer of 2015 to apply and reinforce the information I have learned, as well as learn even more about the industry.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY
Degree: Bachelor and Master of Science in Electrical Engineering, expected May 2017
GPA: 3.79/4.00

Relevant Courses:

Digital Systems II with Lab	Semiconductor Device Physics
Intro to Computer Science (Python)	Advanced Programming for Engineers (C++)
Electronics I*	Embedded Systems*

* Expected completion December 2014.

SKILLS

Verilog, VHDL, FPGAs, Altera Quartus, ModelSim, Oscilloscopes, C++ Programming, Python Programming, Mac OSX, Windows, Linux, Website Design, Linux Servers, Microsoft Office, iWork, Photoshop, American Sign Language, Spanish

PROJECTS/LABS

Digital Systems II Lab
Both VHDL and Verilog HDL languages were used to design and construct a RISC (Reduced Instruction Set Computer) CPU, including the Data Path and the Control Unit. The CPU was constructed using a combination of behavioral and structural design methodology.

Circuits Lab
Analog DC circuits were designed and analyzed using Cadence Capture CIS, then constructed on prototyping boards to analyze with function generators, multimeters, and oscilloscopes.

Assembler
An assembler for a custom CPU architecture was designed and implemented using C++. The assembler was able to properly check for user errors and assemble the assembly code into machine code for 18 different instructions, complete with labels and hex addresses.

ACTIVITIES

RIT Racquetball: Club/Team Member: 2012 – present
Vice President: 2014 – present
RIT Rubik's Cube Club: Co-founder
Vice President 2013 – present
RIT Varsity Swimming Team: 2012 – 2013

JOB EXPERIENCE

Teaching Assistant: January 2014 – May 2014
Instructing a lab section for Digital Systems II; this includes teaching the lab in addition to grading and providing office hours for help. The lab consists of using VHDL and Verilog with an FPGA to make small projects that eventually build up to a fully functional CPU.

Assistant DJ: 2012 – present
Assist in setting up and running an entire sound system for music, as well as running the karaoke system for various types of occasions such as weddings and parties.

Personal Website: 2014 – present
Designed and now maintain my personal website using a CentOS server.

VOLUNTEERING

New Prospect Church Food Pantry 2008 – present
Relay for Life

INTERESTS

Geocaching, Kickstarter, Swimming, Racquetball, Hockey, Programming