

Connor Goldberg

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OBJECTIVE Obtain a co-op for the Summer of 2014 to apply and reinforce the information I have learned, as well as learn more about Electrical Engineering

EDUCATION **ROCHESTER INSTITUTE OF TECHNOLOGY**, Rochester, NY
Degree: Bachelor and Master of Science in Electrical Engineering, expected May 2017
GPA: 3.78/4.00

Relevant Courses:

Differential Equations
Multivariable Calculus
Engineering Math
Physics I, II
Intro to Digital Systems with Lab

Circuits I with Lab
Digital Systems II with Lab
Circuits II*
Semiconductor Devices*

* Expected completion after spring semester

SKILLS Verilog, VHDL, FPGAs, Altera Quartus, ModelSim, Oscilloscopes, C++ Programming, Python Programming, Mac OS X, Windows, 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.

Intro to Digital Systems Lab

Digital Circuits were designed then constructed on a prototyping board with IC chips; circuits were analyzed using Altera Quartus and ModelSim.

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.

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:** 2014 – present
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.

VOLUNTEERING New Prospect Church Food Pantry 2008 – present
Relay for Life

INTERESTS Geocaching, Kickstarter, Swimming, Racquetball, Hockey, Programming