

# Connor Goldberg

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Rochester, NY

## OBJECTIVE

To apply and reinforce the information I have learned, as well as learn more about Electrical Engineering during a Summer (or Summer and Fall) 2014 co-op.

## EDUCATION

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

### Relevant Courses:

Differential Equations  
Multivariable Calculus  
Engineering Math  
Physics I

Circuits I with Lab  
Digital Systems II with Lab  
Physics II  
Circuits II\*

Intro to Digital Systems with Lab

\* Expected completion after spring semester

## SKILLS

Verilog, VHDL, FPGAs, Altera Quartus, ModelSim, Oscilloscopes, C++ Programming, Python Programming, Microsoft Office, iWork, 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 occasions such as Weddings and parties.

## VOLUNTEERING

New Prospect Church Food Pantry 2008 – present

## INTERESTS

Geocaching, Kickstarter, Swimming, Racquetball, Hockey