

EDUCATION

Cornell University Ithaca, NY Expected May 2016
Masters of Engineering in Electrical and Computer Engineering

Cornell University Ithaca, NY May 2015
Bachelor of Science in Electrical and Computer Engineering
GPA: 3.7 (Major), 3.5 (Cumulative)

Valley Central High School Montgomery, NY June 2011
Awards: National Honor Society, High Honor Roll

COURSEWORK

•Computer Architecture	•Digital System Design	•Embedded Systems
•Operating Systems	•Computer Networks	•Computer Game Development

EXPERIENCE

IBM Poughkeepsie, NY June 2015 – Present
Logic Designer

- Developed logic for z-series core architecture
- Wrote a script for reporting system test failures for aid in verification

Batten Research Group at Cornell Ithaca, NY September 2015 - Present
Research Assistant

- Will conduct a research project involving FPGA Prototyping and RTL design

Crestron Electronics Rockleigh, NJ May 2014 – August 2014
FPGA Design Engineer

- Designed and tested an audio delay module for instantiation alongside a video-processing pipeline
- Drafted technical report and gave a presentation on my work

Cornell Formula Racing SAE Ithaca, NY 2013 – Present
Electrical Engineer

- Worked with a team of students to design and build a formula style racecar using a systems approach
- Designed (PCB layout and programming) a CAN-protocol data network using PIC microcontrollers
- Manufactured and routed a wiring harness to send power and data between critical components

Cornell University Ithaca, NY January 2015 – Present
Graduate Teaching Research Specialist
Previously: Undergraduate Teaching Assistant

- Current: Will oversee student-designed system projects using a 32-bit PIC microcontroller
- Previous: Co-led a lab for a culminating design course on ECE practice

TECHNICAL SKILLS

Systems-Level Programming (C/Assembly) ♦ ASIC/FPGA Logic Design (Verilog/VHDL) ♦ Object Oriented Programming and Data Structures ♦ Altera® Quartus II ♦ Altium Design Software (PCB layout and routing) ♦ Soldering

ACTIVITIES AND VOLUNTEER WORK

Cornell IEEE Executive Board (2014-) ♦ WVBR Radio Engineer (2012-2014) ♦ Just About Music Program (2011-2012)