

# Ethan Spitz

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## OBJECTIVE

To acquire a summer 2014 internship that will utilize my experience and current classwork in the electrical engineering and computer and systems engineering fields.

## EDUCATION

### Rensselaer Polytechnic Institute

BS (Dual Major): Electrical Engineering and Computer Systems Engineering  
Minor: Economics

Troy, NY  
May 2015  
GPA 3.598

## WORK EXPERIENCE

### Software Engineer Internship, Cisco Systems, Inc., San Jose, CA

June 2013–August 2013

- Designed a component for IOS XR which monitors latency and processes the recorded data

### PCB Designer, Rensselaer Polytechnic Institute, Troy, NY

March 2013–June 2013

- Took a provided electromyography schematic, researched equivalent or better surface mount variations of each DIP chip, and designed, laid out, and assembled a 14 channel version
- Designed a high speed analog circuit which amplifies the signal from an array of photo diodes used for decorrelated visible light communication

### Lab Assistant, Rensselaer Polytechnic Institute, Troy, NY

February 2013–Current

- Supervises and assists students who visit the Mercer Lab to work on their own projects

### Consultant, vitaMedMD, Boca Raton, FL

August 2012–November 2012

- Manage SQL Server Analysis Services cube built and implemented over summer internship
- Designing a data warehouse and SSAS cube that contains the company's over-the-counter sales data which will link with the prescription sales cube data

### Summer Intern, vitaMedMD, Boca Raton, FL

May 2012–August 2012

- Built and implemented various web forms for the company's prescription products website
- Wrote and implemented various SSIS scripts for data importing
- Designed and built a data warehouse for use in a SSAS cube to allow the sales representatives to access relevant prescription sales data easily

## RELEVANT COURSEWORK

- Fields and Waves
- Introduction to Electronics
- Computer Hardware Design
- Microelectronics Technology
- Electric Circuits
- Computer Architecture, Networking and, Operating Systems
- Embedded Control
- Introduction to Engineering Design
- Introduction to Algorithms
- Data Structures

## SKILLS

- Embedded Control
- Through Hole Soldering
- Surface Mount Soldering
- EAGLE CAD
- Analog and Digital PCB Design
- LaTeX
- C++
- C
- Windows
- Linux
- LabView
- Autodesk Inventor
- NX
- Microsoft Office Programs
- SQL
- SSIS
- SSAS
- HTML

## HONORS AND AWARDS

- Dean's List at Rensselaer Polytechnic Institute
- The Rensselaer Medal

Fall 2011–Spring 2013  
Fall 2011–Present

## LEADERSHIP AND ACTIVITIES

- Newspaper: *The Rensselaer Polytechnic*
  - Copy Editor
  - Photography Editor
  - Associate Copy Editor
- Embedded Hardware Club at Rensselaer Polytechnic
  - Lab Manager
  - Secretary
- Racquetball Club at Rensselaer Polytechnic Institute

Fall 2011–Present  
Fall 2013–Present  
Fall 2012–Spring 2013  
Spring 2012  
Fall 2011–Present  
Spring 2013–Present  
Fall 2012  
Fall 2011–Present