

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 3.67

WORK EXPERIENCE

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

June 2013–August 2013

PCB Designer, Rensselaer Polytechnic Institute, Troy, NY

March 2013–Current

- Took a provided electromyography schematic, researched equivalent or better surface mount variations of each DIP chip, and designed/laid out a 14 channel version
- Designed a high speed (50-70MHz) analog circuit which amplifies the signal from a photo diode used for optical wireless 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

- Electric Circuits
- Computer Architecture, Networking and, Operating Systems
- Computer Components and Operations
- Introduction to Engineering Design
- Embedded Control
- Introduction to Algorithms
- Data Structures
- Multivariable Calculus and Matrix Algebra
- Introduction to Differential Equations
- Introduction to Discrete 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 Medall

Fall 2011–Fall 2012
Fall 2011–Spring 2015

LEADERSHIP AND ACTIVITIES

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

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