

Objective:

To obtain a challenging position in the area of engineering design and development

Education:

York College of Pennsylvania, York, PA **2016**
Major in Electrical Engineering, Minor in Computer Science

- Capstone Design: Design and construct a cost sensitive data acquisition system to prove mechanical design choices for Formula SAE car
- Signal Processing and Random Signals, Automatic and Applied Controls
- Calculus I, II, Differential equations, and Mathematical methods
- Engineering Physics, Power electronics and Power Systems

Experience:

Sicom Systems, Doylestown, PA - *C# Developer* (Feb. 2017 - present)

- Develop software for the fast food industry. Includes adding new features, as well as upgrading the existing C code base to an object oriented C# code base.

Sechan Electronics, Lititz, PA - *Electrical Engineering Intern* (Jan. – May and Aug. – Dec. 2015)

- Aid engineers in part selection, and prototype development

Pride Mobility Products, Exeter, PA – *Electrical Engineering Intern* (May – Aug. 2014)

- Develop an embedded test bench to prototype motor controllers and develop a cost effective way to measure motor current

York College of Pennsylvania – *Computer Science Tutor* (Feb. 2016 – Dec. 2016)

- In class, and out of class tutor for the college’s C course

Skills:

- Embedded systems development (microcontrollers in C/C++)
- Data acquisition (digital and analog)
- Research and development of cost sensitive, high quality consumer products
- Advanced hardware prototyping skills (soldering, PCB assembly)

Major Personal Projects:

- Hackathon Organizer: Planned, fundraised and taught at York, Pennsylvania’s first ever Hackathon called YCPHacks alongside three other students
- Quadrotor controller: Developed a flight control system to fly a quadcopter with stability, GPS waypoints, and wireless data acquisition as primary functions
- Alarm Clock Pillow: Designed, built, and pitched a pillow with a wireless audio device inside.
- Neural Network Development: Research and development in neural network systems

Awards and Certificates:

- Senior Honor Society YCP Alumni Association 2016-2017
- Outstanding contributions to the engineering and computer science department at York College of Pennsylvania 2016
- HackPrinceton’s “Most Out-of-the-Box Hack” and “Best Use of SeatGeek API” winner 2016
- 1st Place Award recipient, J.D. Brown Center Elevator Pitch Competition 2014
- Outstanding Technical Student of the Year 2012

Extracurricular Activities:

- The Ben Franklin Technology Partners program participant Spring 2015
- York College Entrepreneur Center, student assistant Spring 2015-present
- ACE mentor program Jan-May 2012
- German Student Exchange Program 2011