Brett Reich

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Education:

Drexel University — Philadelphia, PA
Bachelor of Science in Computer and Electrical Engineering — Anticipated Graduation: June 2016
Cumulative GPA: 3.59

Burlington County College — Mount Laurel, NJ
Associate of Science in Engineering Science — August 2011 to June 2013
Cumulative GPA: 3.756

Honors

- Dean's List, Drexel University, 2014
- Dragon Alumni Scholarship, Drexel University, 2013
- Phi Theta Kappa Honors, Burlington County College, 2013
- Dietrich Botstiber Foundation Award, 2011
- Engineering Award, PSPE-Valley Forge Chapter, 2011
- Dean's Scholarship, Drexel University, 2013 to Present
- Drexel Legacy Scholarship, Drexel University, 2013
- Dean's List, Burlington County College, 2011-2013
- Honorable Mention, United States Army Award, 2011

Skills

Programming Languages: Bash, C/C++, Java, Python, VHDL
Operating Systems: Linux, Windows, Oracle Virtual Machine
Software: PSpice, MATLAB, Microsoft Office (Excel, Word, PowerPoint)
Machine Skills: Multimeter, Oscilloscope, Soldering

Relevant Coursework

Computer Architecture Design	Transform Methods I, II	Design with Microcontrollers
Analog and Digital Communication	Embedded Systems	Introduction to Computer Networks

Electrical and Computer Engineering Laboratory I, II, III

Design with Microcontrollers Final Project

- Designed system using miniature motorboat on fixed course, controlled its movements, and timed lap times while varying hull vibration frequency with two types of frequency generators
- Improved earlier science fair experiment which evaluating hypothesis that muscle vibrations in mammals potentially reduction water resistance completed
- Demonstrated efficient embedded microcontroller code which simultaneously took data measurements, and drove output motor control while two frequencies were being actively generated from commands sent over a USB-serial Interface from a user GUI
- <https://www.cs.drexel.edu/~br382/index.html>

Experimental Areonotical Science Fair Design

- Created innovative design for blimps that improved ability to adjust altitude while potentially increasing cost-effectiveness
- Researched and utilized ideal gas law to build working model using compressed gas to maintain life while minimizing waste
- Developed protocol to ensure precise measurements of small differences in weight and pressure
- Presented to professional engineers and interested visitors; placed First in the Delaware Valley Science Fair for Engineering

Experience

Rite Aid Coperation — Medford, NJ
Pharmasutical Technician — January 2012 to Present

- Communicate with medical professionals and resolve problems with doctor prescriptions
- Resolve billing issues With insurance corporations; maintain confidentiality of patient information (HIPPA Regulations)

Activities

State Certified Pharmacy Technician, Certification# 28RW01945800