Stephen Gilliland

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Experience

Manufacturing Co-Op Intern, Advanced Acoustic Concepts, Lemont Furnace PA
09/2011 – 05/2016 || 10/2016 – present

- Constructed a variety of electronic assemblies. Building these assemblies required skills in soldering, wiring, terminating wires, cable and harness assembly and installation, and other electrical and mechanical assembly.
- Improved methods of assembly when possible in order to reduce waste and increase productivity.
- Assisted Test department with troubleshooting of units on many occasions.

Electrical Engineering Intern, Mylan Pharmaceuticals, Morgantown WV
05/2016 – 08/2016

- Gained experience in project management by coordinating various projects. Contributions to these projects included: Obtaining quotes, procuring parts, completing design drawings, and general coordination of different departments.
- Completed electrical design for compactor motor drive upgrades from a variable pitch pulley design to a modern variable frequency drive.
- Contributed in the development of a sensor interlock system to ensure that V-blender lids are properly tightened prior to machine startup.

Education and Certifications

B.S. in Electrical Engineering Technology, California University of Pennsylvania
Spring 2014 – Present.

- Major GPA: 3.3 || Overall GPA: 3.2 || Dean's list: fall 2013, 2014, 2015, 2016.
- Expected graduation: May 2017.

IPC Certifications:

- Specialist: J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies
- Specialist: IPC/WHMA-A-620 Requirements and Acceptance for Cable and Wire Harness Assemblies

Familiar with:

Programs: Excel, Microsoft Word, AutoCad, LabVIEW, Kicad, Multisim, Matlab.
Programming Languages: C, C++, Python, Assembly Language. **Operating Systems:** Windows, Linux. **Other:** Arduino, Raspberry Pi, Programmable System on a Chip (PSoC).