

JOSHUA SMITH

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OBJECTIVE:

- To acquire a job and further my Electrical Engineering education to create intelligent radar systems and efficient, innovative technology.

EDUCATION:

The Pennsylvania State University, University Park, PA

Bachelor of Science in Electrical Engineering, May 2015 (completing in 3 years)

Cumulative GPA: 3.31

EXPERIENCE:

Intern in the Sensors and Electron Devices Directorate (SEDD) of the Army Research Lab

Experience designing and building spectrum sensing and nonlinear device characterization systems

Lab Assistant at Fenske Laboratory, Penn State University

Computer work:

- Data recovery on broken research computers
- Enterprise networking experience (server domains, ip assignments, etc.)
- Build, upgrade, and repair computers in a professional environment
- Experience with Microsoft Windows, OS X, and a wide range of Linux distributions
- Experience with the Unix and Windows command line

Computer programming languages known: Java, Python, C, C++, Bash, LabVIEW Certified

Software known:

- Solidworks Matlab LabVIEW Multisim/Ultiboard Microsoft Office
- Adobe Photoshop/Illustrator/Audition/Acrobat Apple Logic Pro ADS

Soldering, designing, building electronic circuits / Debugging with oscilloscope/network analyzer

Vehicle electronics / Wireless Communication / Data acquisition

Extensive experience with National Instrument's RF VI packages for LabVIEW

Organist/Pianist/Saxophonist for various choral organizations and music programs

AWARDS AND ACHIEVEMENTS:

- Member/Webmaster of Eta Kappa Nu, Epsilon Chapter, Electrical Engineering Honors Society
- 1st Place in Section for Engineering Design project sponsored by Siemens
- National Honors Society – Fall 2010 to Summer 2012
- AP Scholar – Summer 2011 to Summer 2012
- 3rd Place in the Kane Physics Competition at the University of Scranton
- COTA Cats Honors Jazz Band – Summer 2010, 2011, 2012
 - Lead Saxophone in the Summer of 2012
 - Earned the Ralph-Hughes Scholarship for highest GPA in the band
- 1st Place in 2014 PSU Engineering Talent Show: Playing the keytar while riding a unicycle

ACTIVITIES:

- Webmaster / Electrical Subsystem Lead on the PSU Formula SAE Team
 - Visit *Penn State Racing* at pennstateracing.com
- Designed and built a solar powered bicycle at Delaware Valley High School
 - Presented at PJAS and Penn State University
- Mountain Biking, Road Biking, Unicycling, Performing on Piano, Songwriting
- Raspberry Pi / Microcontroller / LabVIEW projects for interfacing with external objects