

Campus Address
201 Vairo Blvd Apt 348B
State College, PA 16803
(732) 284-9815

Evan Gebhardt
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Permanent Address
66 Riverside Ave
Apartment 20
Red Bank, NJ 07701

- Education: The Pennsylvania State University
Master of Science, Electrical Engineering(expected) August 2015 - May 2017
GPA: 3.75
- Bachelor of Science, Electrical Engineering** August 2011 - May 2015
GPA: 3.59
- Skills\
Self-Study: Latex, MATLAB (experienced)
C++, Python, LabVIEW (some experience)
Algorithms Course 1 by Stanford University on Coursera
- Academic
Experience: **The Pennsylvania State University**, State College, PA July 2015-Present
Research Assistant
- Through Wall Radar research utilizing multiple antennas
 - Developed signal processing algorithms to improve detection and localization of targets behind walls
 - Range Migration algorithm for SAR imaging
 - Wavelet Based SVD wall clutter mitigation
 - Utilized stepped frequency radars to collect data to form range Doppler maps for classification of number of targets behind wall
- The Pennsylvania State University**, State College, PA August 2014-May 2015
Teaching intern
- Taught students how to use oscilloscope and function generators to complete labs.
 - Guided students through circuit design concepts
 - Demonstrated to students how to troubleshoot circuits
- Work
Experience: **Microwave Measurement Systems LLC**, State College, PA November 2014-July 2015
Designs and develops free space systems for microwave characterization of electromagnetic properties of materials
Engineer
- Oversaw assembly and test of free space measurement system
 - Issued purchase orders and tracked materials for timely delivery
 - Assembled free space system and tested it to ensure the electromagnetic measurements were within X-band specifications
 - Built shipping crate and ensured it met all international shipping requirements
 - Travelled to Saudi Arabia to assemble free space system and demonstrate to Saudi research group
 - Handled all day to day operations with responsibilities ranging from cleaning premise and dealing with vendors to repairing VNA.
- General Electric, Transportation**, Erie, PA May 2014-August 2014
GE Transportation is a global technology leader and supplier to the railroad, mining, marine, stationary power, drilling, and energy storage industries.
Electrical Engineering Intern
- Created simulator to test engine control panel, and generator control panel.

JLG Industries, Inc., Orrville, OH

June 2013-August 2013

JLG Industries is the world's leading designer, manufacturer and marketer of access equipment
Electrical Engineering Intern

- Diagnosed wire harness problems to ensure telehandler prototypes stayed on schedule
- Reviewed schematics to ensure components were up to date.
- Updated existing wire harnesses to meet design requirements

Conference

Papers:

Gebhardt, Evan T., Ram M. Narayanan, and Sean P. Broderick. "MIMO radar for through-wall target identification in single and two wall scenarios." *SPIE Defense+ Security*. International Society for Optics and Photonics, 2016.

Societies:

Mentor, Penn State Engineering Orientation Network

- Guided a group of 5 incoming freshmen to improve their transition into college

Member, Eta Kappa Nu

- Honors Society for top 25% of juniors and 33% of seniors in EE major

IEEE, Member of Penn State Student Chapter