

Adam Crimboli

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State College, PA 16801

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Education

BS - Mechanical Engineering

Cumulative GPA: 3.97/4.00

BS - Nuclear Engineering

Graduation: May 2014

The Pennsylvania State University, Schreyer Honors College: University Park, PA 16802
Undergraduate Thesis: Bomb Disposal Robot Testing & Validation

Leadership

Penn State LeaderShape Institute: Spring 2013

American Society of Mechanical Engineers, PSU Chapter Treasurer: Fall 2013 – Spring 2014

Team Leader Positions – Engineering Curriculum Projects:

- Senior Design: Nuclear Reactor Core Fluidic Miniaturization
 - Engineering Design: Sand Vacuum
 - Microcomputer Interfacing: Magnetic Fluid Tonal Visualizer
 - Nuclear Reactor Design: Neutronics Computational Modeling
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Employment

Intern: Ford Motor Company: Powertrain and Vehicle Interactive Controls
Research & Advanced Engineering Dearborn, MI

5/2014 – 8/2014

- Tested electronic truck-trailer backup assist system
- Batch processed multi-variable simulation
- Presented statistical results using Six Sigma standards

Researcher: Applied Research Laboratory at the Pennsylvania State University
Embedded Hardware/Software Systems and Applications State College, PA

5/2013 – 5/2014

- Created bomb disposal robot test method
- Ran robots and collected performance data
- Analyzed and presented data using MATLAB

Intern: Westinghouse Electric Company: Steam Generator Design & Analysis
Nuclear Operations Madison, PA

5/2012 – 8/2012

- Collated and interpreted steam generator pipe corrosion information
- Created corrosion “map” and presented to management
- Prepared technical reports for customers

5/2011 – 8/2011

- Digitized and updated department steam generator reference manual
 - Modeled and virtually stress-tested internal components
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Skills

Select Classes:

Game Theory
Control Systems
Robot Applications

Technical Writing
Modeling of Dynamic Systems
Instrumentation & Measurement

Computer Skills:

MATLAB
Simulink

Arduino
AutoCAD

ANSYS
SolidWorks

Adobe Photoshop
Adobe CS5

Extra-curricular Activities:

Alpha Nu Sigma Nuclear Honor Society
American Nuclear Society
Leonhard Engineering Scholars

Penn State Ballroom Dance Team
Chess Club
Billiards Club

Volunteering

iCouldBe.org – “The mission of iCouldBe is to provide at-risk middle and high school students with an online community of professional mentors, empowering teens to stay in school, plan for future careers, and achieve in life.”
