

# Heather Dianna Kohr

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## Education

The Pennsylvania State University, *University Park, PA*  
**Bachelor of Science, Mechanical Engineering**

GPA: 3.37/4.00  
Graduation: May 2015

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## Skills & Courses

### Engineering Design

- **Team Leader '13** – organized and ran meetings to develop and design a renewable energy prototype and self-sustaining community
- **Secretary '14** – organized journal and meeting minutes as we developed and built prototypes for a faucet-powered generator
- **Secretary '15** – maintained journal and organized meetings and workload as we improved the design of an adjustable wristband to enhance functionality and affordability

### Computer Skills

- MS Office
- MathCAD
- SolidWorks
- MATLAB

### Relevant Courses

- Manufacturing Processes
- Design Methodology
- Mechanical Design
- Indoor Air Quality
- Engineering Mechanics
- Vibration of Mechanical Systems
- Fluid Flow
- Instrumentation, Measurements, and Statistics
- Thermodynamics
- Modeling Dynamic Systems
- Material Science
- Heat Transfer
- Project Management
- Business Opportunities in Engineering

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## Work Experience

**PA Department of Transportation, Engineering Tech Intern** – *Harrisburg, PA* – Summer 2014

- Completed field surveys of shoulder, drainage and guiderail conditions while maintaining a safe work environment and developing effective working relationships with partner and team
- Gained insight into the development of a multidisciplinary road design

**Roundtop Mountain Resorts, Cashier** – *Lewisberry, PA* – Winter 2010, 2011, 2012

**Forry's Drive-In Snack Bar, Server/Cashier** – *Wellsville, PA* – Summer 2010

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## Leadership & Activities

**Penn State Dance Marathon, THON** – Committee Member

- OPPerations Committee – 2014 – Inspiration Chair
- Rules and Regulations Committee – 2015 -- Historian

**Penn State Engineering Orientation Network** – Mentor

**American Society of Mechanical Engineers** – THON Organization and Logistics Committee

**Engineers Without Borders** – Penn State Chapter, Fundraising and Local Projects

**Society of Women Engineers** – Penn State and National Chapters

**Centre County PAWS** – Volunteer

**Relay for Life** – Team Member – 2006 to 2015