

SAMANTHA HOLM

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EDUCATION

INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING,
WEST VIRGINIA UNIVERSITY, HONORS COLLEGE

Deans Honors Program, Tau Beta Pi, Engineers Without Borders, Academy of Engineering Success (AcES), Institute of Industrial and Systems Engineers

EXPECTED GRADUATION: DECEMBER 2019
GPA: 4.0

PROFESSIONAL EXPERIENCE

INDUSTRIAL ENGINEERING CO-OP,
MSA: THE SAFETY COMPANY

NPD Project - Chillgard 5000 - \$11M Annual Revenue

JANUARY 2017 – AUGUST 2018
CRANBERRY TOWNSHIP, PA

- Supported the realization of the Chillgard 5000 product line through product builds, time studies, line design, equipment procurement, and current work cell analysis and consolidation.
- Aided in the industrialization of the new product onto the manufacturing floor, organized and supervised builds to support departments, facilitated the PFMEA of the final assembly process, and assisted team in reaching product launch.
- Implemented assembly line and IE database set up for eighteen different accessories, managed cross-functional team to resolve post-launch issues, and led a continuous improvement project to establish consistent, repeatable shift output.

ADDITIONAL EXPERIENCE

TEACHING ASSISTANT, WEST VIRGINIA UNIVERSITY

Course: *Introduction to Visual Basic*

JANUARY 2018 – MAY 2018
MORGANTOWN, WV

- Provided academic support to students by answering questions and helping them understand the material covered.
- Graded projects and reports on a weekly basis.
- Offered weekly office hours as a resource for those who needed additional assistance.

SKILLS

- **Programming Languages:** Visual Basic, MATLAB
- **Operations Research:** Excel Solver and MPL/CPLEX
- **Microsoft Office:** Word, Excel, PowerPoint, Access, Visio
- **Modeling Software:** Google Sketch-Up
- **Lean:** Standard Work, Value Stream Mapping, Poka-Yoke, 6S, Process Maps/Design, Workload Balancing
- **Analysis:** PFMEA, Work Measurement, Task/Takt Time, Resource Determination
- **Personal:** Team Facilitation, Time Management, Independent Work

ACTIVITIES

- **AmeriCorps Energy Express** JUNE 2016 – AUGUST 2016
TERRA ALTA, WV
 - Served as a mentor/instructor during an 8 week reading-based program.
 - Over 300 hours of service dedicated to Preston County, WV's youth.
- **Community/School Outreach**
 - Volunteered at WVU Open Houses.
 - Invited to speak as a STEM advocate for young women at local schools.
 - Selected by multiple department managers to educate their rising freshman and sophomores about the industry and educational opportunities at WVU.