

Emma Heckelsmiller

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Education

B.S. Biosystems Engineering, Michigan State University, East Lansing, MI; **cumulative GPA 3.65/4.0**

August 2014-
May 2018

Concentration in Food Engineering, Minor in Beverage Science and Technology

- Honors College member & asked to participate in Engineering Leadership Advantage summer workshop to improve team problem solving and system analysis skills
- In third year on campus, yet has Senior standing by credit hours (118 credits earned as of May 2016)

Palatine H.S., Palatine, IL

- Graduated top 5 in my class of 690, 4.946/4.0 GPA (weighted), **36 (perfect) score on ACT, National Merit Scholarship Finalist**
- 12 Advanced Placement Courses, National AP Scholar & AP Scholar with Distinction Awards, Kolze Academic Scholar

August 2010-
June 2014

Work Experience

Supply Chain and Manufacturing Intern at Meijer, Grand Rapids, Michigan manufacturing facility

May 2016-
August 2016

- Process mapped former methods of bulk food production; conducted time studies to add metrics and identify potential bottlenecks
- Paired an end-to-end supply chain consideration with A3 Thinking and new technology research to identify the most cost-effective implementation plan for a new production line which best fit current business needs and quality standards
- Completed equipment evaluations and defined a 62% ROI, 1.6 year project payback with optimized, semi-automated production process
- Provided future packaging line reconfiguration recommendations to provide longer term, higher capacity solution based on multi-year business growth

Participant in International Food Law Study Abroad Program, Summer 2015 in England, France (visited US Embassy), and Switzerland (visited World Trade Organization and World Health Organization), including multiple manufacturing plant benchmarking tours

May 2015

Professorial Assistantship Research Position at Michigan State University

August 2014-
Present

- Supports food pathogen graduate research data analytics with Microsoft Office and DataThief
- Expedites lab experiments and monitors maintenance procedures

Founder and President of my small business, "Knitty-Gritty Novelties"

November
2011-July
2014

- Singlehandedly supplied and ran booths at three large craft fairs and established end to end supply chain processes
- Launched a social media page and marketed to a diverse audience while targeting products for pre-college, college, and recent alumni
- Designed and distributed business cards as part of an overall marketing strategy

Volunteer Service

Extensive community service and volunteer work as part of Alpha Xi Delta—fundraising and hands-on outreach with Autism Speaks and the American Red Cross, active rallying member of the top MSU 2015 Relay for Life team, raising \$50,000 for the American Cancer Society

2014-Present

Peer Tutoring throughout high school, volunteering at the Palatine Food Pantry, packing food for "Feed My Starving Children," bake/donate goods for YHOP (Youth Hunger Opposition in Palatine)

2010-2014

Honors and Leadership

- Vice President of MSU Biosystems Engineering Club (2016-2017)
- Dean's List, Michigan State University College of Engineering (2015-2016)
- DeBoer Family Scholarship recipient (2016)
- Navistar's Women in Engineering Leadership Scholar (2016)
- Recipient of the Dr. Sherrie Ford Manufacturing as a Career Path Scholarship (2014)

Memberships and Activities

- Lean Product Development Workshop attendee as member of Association for Manufacturing Excellence (2014-present)
- Registered global SWE member, Region H Conference 2016 attendee and active member of MSU Chapter H063
- American Society of Agricultural & Biological Engineers (2016-present)
- Alpha Xi Delta Sorority (September 2014-present) – Spring 2015 and Spring 2016 Songfest Competitive Dance Team member