

# Amanda E. Manko

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## EDUCATION

The Ohio State University, Columbus, OH  
B.S. Biological Engineering

Expected Graduation: December 2018

## PROJECT EXPERIENCE

Senior Capstone Design – AgrAbility Skid Loader Assistive Technology, August 2017 – Present

- Designed and prototyped an accessibility device to enter a skid loader from a wheelchair
- Strengthened problem solving skills by using research and industry connections to select materials and mechanical systems to use within a prototype
- Presented at AgrAbility’s National Training Workshop Conference and received vast interest
- Abstract selected for a podium presentation at the ASABE International Meeting, July 2018

## STUDY ABROAD EXPERIENCE

Engineering and Culture in India, May, 2016

- Adapted in a drastically different environment and embraced cultural changes
- Learned key communication and problem solving skills to navigate through new cities
- Shared ideas with engineering students from Malaviya National Institute of Technology in Jaipur
- Gained knowledge and experience with the design and production of the prosthetic Jaipur foot

## COMPUTER SKILLS AND COURSEWORK

- MATLAB
- SolidWorks
- Microsoft Office Suite
- Human Anatomy and Physiology with lab
- System Dynamics and Instrumentation
- Fluid Dynamics

## WORK EXPERIENCE

The Fuld Institute for Evidence-based Practice, Columbus, Ohio

Administrative Assistant, July 2017 - Present

- Provided detailed research reports while gaining skills in communication and problem solving
- Gained knowledge about implementing evidence-based practice within a medical setting to optimize physician performance and patient satisfaction

Bob Evans, West Mifflin, Pennsylvania

Server, January 2012 - January 2016

- Acquired extensive teamwork and multi-tasking skills within many aspects of the restaurant
- Provided quality, hospitable customer service in a fast-paced environment

## VOLUNTEER EXPERIENCE

Animal Lifeline, Ride to Rescue, July 2017-Present

- Assists in the fundraising and strategic planning for rescue missions into abuse, overcrowding, and natural disaster situations for animals within 24 hours of euthanasia

Barefoot College, Tilonia, India

- Contributed to a women’s empowerment solar electricity program that provides engineering education to women from underdeveloped countries and teaches them to electrify their villages