

Lindsey DeFrain

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Education

Michigan State University

Bachelor of Science – Biosystems Engineering
Food Engineering Concentration
Honors College, GPA: 3.97

Sept 2015 - Present
Expected May 2019

Mt. Pleasant High School/Mt. Pleasant Area Technical Center

Valedictorian, GPA: 4.28

May 2015

Work Experience

MSU Department of Food Science

Undergraduate Research Assistant

- Support research of pathogen contamination during leafy green processing
- Quantify cross contamination of Salmonella and E. Coli

Aug 2016 - Present

MSU College of Engineering K-12 Outreach

Student Ambassador

- Lead tours of the Michigan State Engineering Building
- Assist high school students in learning more about the College of Engineering

Apr 2016 - Present

MSU Anaerobic Digestion Research and Education Center

Laboratory Technician

- Operated and maintained pilot scale anaerobic digestion systems
- Conducted characterization laboratory tests (TS, COD, Nitrogen, etc.)
- Analyzed test results and data to evaluate methane potential of organic waste

Jan - Aug 2016

Extracurricular and Volunteer Experience

- Michigan State Biosystems Engineering Club
- Society of Women Engineers
- St. John Church and Student Center Women's Group
- Impression 5 Science Center Volunteer
- National Honor Society - *American Red Cross Blood Drive Chairperson*
- Business Professionals of America - *Treasurer, Vice President*

2016 - Present

2015 - Present

2015 - Present

2016

2011 - 2015

2011 - 2015

Honors and Awards

Dean's Honors List

Michigan State University College of Engineering

2015 – 2016

Good Citizen Award

Daughters of the American Revolution

2015

State and National Competition Qualifier

Business Professionals of America

2011 – 2015

Track and Field All-State Honors

Michigan High School Athletic Association

2015

Skills

- Technical Writing
- Laboratory Testing
- Experienced with MATLAB, Adobe Premier Pro, and Adobe Photoshop