

Sophia Sperry

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EDUCATION

The Ohio State University

Chemical Engineering, BS

Humanitarian Engineering minor | Biological Science Scholars program

Expected Graduation: Dec 2022

GPA: 3.31

Software: MATLAB | Minitab | SolidWorks | Deltek Vision | SharePoint | Microsoft Suites

Training: Biosafety Level II proficient | OSHA 10

WORK EXPERIENCE

Ethicon | Johnson & Johnson, *Labeling Process Analyst Co-op*

Jan 2020 – May 2020

- Expedited lead times of the Depuy Synthes and Ethicon Repack Relabel approval processes by designing a more navigable user interface for internal websites
- Supported product research through device testing and data analysis
- Increased testing efficiency through fixture design and creation

BSI Engineering, *Project Management Co-op*

May 2019 – Aug 2019

- Managed budget of a \$1.2 million project
- Developed and processed project proposals and change notices
- Executed project implementation through resourcing on multiple projects
- Resolved project concerns and issues (internal and external)

Fresh Press Juicery and Coffee, *Shift Manager*

Apr 2017 – Dec 2018

- Responsible for opening and closing of the restaurant, including cash handling
- Managed both the front and back of house, supervising the work of 4-5 other team members per shift

ACADEMIC ENGINEERING PROJECTS

Engineering for Community Development

Spring 2019

- Built a FarmBot and installed solar panels at the Charles Madison Nabrit Memorial Garden
- Designed STEM curriculum lessons for youth of the community

LEADERSHIP

Buckeye Biotech Association, *VP Corporate Relations*

Jan 2019 – Present

- Organize regular meetings and collaborations with related organizations while furthering local company interaction with OSU students.

American Institute of Chemical Engineers, *Fundraising Committee*

Aug 2019 – Present

- Coordinate fundraising and engage in professional development and networking

Society of Women Engineers, *Pen Pal Mentor*

Aug 2018 – Present

- Promote STEM interest in high school girls through mentorship
- Engage in social events to promote community with women in STEM

Buckeye Leadership Fellows, *Member*

Aug 2018 – May 2019

- Increased cultural capital and social mobility on campus through monthly challenge sessions, community building, and networking.

Biomedical Engineering Society, *Projects Coordinator*

Aug 2018 – May 2019

- Managed four design teams working with May We Help to invent assistive medical devices for individuals with Cerebral Palsy and a limb length discrepancy.

RECOGNITION

Ethicon Women in Engineering Leadership Summit

Feb 2019

- Selected to participate in a seminar which included networking with business professionals
- Furthered leadership development through team activities and keynote speakers

Southwest Ohio Bioscience Education Consortium, *1st Place in Med-Pharma Division*

Apr 2018

Nanotransfection in Saccharomyces cerevisiae Capstone Project

- Biotechnology research focused on the creation of solid lipid nanoparticles to function as a drug delivery system to reduce harmful side effects that arise from modern medicinal treatments