

Sara C. Derge

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Objective:

An engineering internship to apply knowledge gained from coursework.

Education:

The Ohio State University, College of Engineering

Columbus, Ohio

Bachelor of Science in Industrial and Systems Engineering

May 2022

- **Trustees Scholarship:** Tuition scholarship based on merit
- **Fundamentals of Engineering Student:** Acquired skills in Microsoft Excel, MATLAB, Java, Solidworks, and technical writing
- **STEM EE Scholars:** While maintaining a GPA greater than 3.0, I have been involved with STEM volunteering and long-term activities around the campus and community

Engineering Experience:

Engineers for Community Service

Columbus, Ohio

Project Leader

January 2019-Present

- Plan and execute activities that stimulate critical thinking and teamwork such as quadcopter building, egg drop experiment, and structural building with popsicle sticks.
- Help fifteen elementary students build a passion for STEM related careers.
- Successfully build three quadcopters with the students over one semester.

FE Integrated Transportation System Project

Columbus, Ohio

Team Member

January 2019-May 2019

- Collaborated with three other engineering students to develop an Arduino based autonomous robot to complete a predefined obstacle course.
- Created a solution for heavy foot traffic on campus using the robot to model a moving sidewalk in order to decrease foot traffic up to 40 percent.

Involvement:

STEM EE Scholars

Columbus, Ohio

Mentorship Committee

August 2019-Present

- Work with current students and alumni to create a mentorship program where new STEM students can receive guidance.

Exploration Committee

January 2019-Present

- Update the STEM blog for students to explore and stay active in the city of Columbus.
- Coordinate with other STEM EE scholar students to plan welcome back events and exploration excursions.

Institute of Industrial & Systems Engineers

Columbus, Ohio

Member

January 2019-Present

- Gain advice and different perspectives of industrial engineering based on other students' experiences.
- Engage in meaningful professional work, career guidance, and a close-knit community.

Phi Sigma Rho

Columbus, Ohio

Member

January 2019-Present

- Actively involved in a sorority for women in technical studies.
- Develop the highest standard of personal integrity while striving for academic excellence.

