

Sara C. Derge

322 Chenora Ct 45215 Cincinnati, OH | 513-633-6513 | derge.5@osu.edu

Objective:

An engineering internship to apply knowledge gained from coursework.

Education:

The Ohio State University, College of Engineering

Bachelor of Science in Industrial and Systems Engineering

Columbus, Ohio

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

Project Leader

Columbus, Ohio

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

Team Member

Columbus, Ohio

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

Mentorship Committee

Columbus, Ohio

August 2019-Present

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

Member

Columbus, Ohio

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

Member

Columbus, Ohio

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.

