

Michael A. Steffe

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Education

Purdue University

Bachelor of Science in Mechanical Engineering | Minor in Spanish for the Professions
Dean's List (5 of 5 semesters) & Semesters Honors (4 of 5 Semesters)

West Lafayette, IN
Graduation: May 2025
GPA 3.69

Studied Abroad at Universidad Antonio de Nebrija from 05/25/23 to 07/05/23

Madrid, Spain

Experience

Energy Storage Analytics, West Lafayette, IN

Research Project with Professor Mukherjee

Jan 2024 – May 2024

PFN Landscaping, Franklin, Ohio

Foreman

May 2022 – August 2022

- Responsible for assessing projects and assigning roles to team members
- Designed and installed retaining walls and fences
- Maintained good relations with customers and suppliers
- Provided maintenance to existing landscape by trimming, weeding, mulching, and gardening
- Completed jobs within allotted time
- Managed payroll

Design Project, Bellbrook, Ohio

Arduino and Sensor Integration

August 2020 – May 2021

- Developed an impact force monitoring device for football helmets
 - Programmed Arduino microcontroller to record data from accelerometer
 - Soldered accelerometer and microcontroller
 - 3D printed casing to hold electronics for testing
 - Researched best location for force measurements
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Activities

Member of Alpha Lambda Delta Phi Eta Sigma Honor Society

West Lafayette, IN

Member of Purdue ASME

West Lafayette, IN

Member of Purdue Rube Goldberg Team

West Lafayette, IN

Member of Purdue ASME Small Projects Club

West Lafayette, IN

Member of Spanish Speaking Club

West Lafayette, IN

Vacation Bible School - Team leader, Emmanuel Lutheran Church

Kettering, OH

Operation Christmas Child - Staff, Emmanuel Luther Church

Kettering, OH

National Honor Society, Multiple community service projects

Bellbrook, OH

Skills

CAD: Autodesk Inventor, Autodesk Fusion 360, Siemens NX, 3D Printing

Programming/Software: Java, MATLAB, Arduino basics, C Language Basics, LabView, Microsoft Office

Other: Advanced Spanish

Awards

Greene County Community Foundation: Spring 2021

- Danny L. Herres Memorial Scholarship (Engineering Scholarship)
- Charles Sharpe Memorial Scholarship (Engineering Scholarship)