

OBJECTIVE: Looking for a mechanical engineering internship for Summer 2026

EDUCATION

<i>University of Wisconsin-Madison</i>	Anticipated Graduation May 2027
Bachelor of Science in Mechanical Engineering	
International Engineering Certificate	
Deans Honor List Recipient Spring 2024, Fall 2024, Spring 2025	
3.691 GPA	
<i>Technical University of Denmark</i>	August – December 2025

EXPERIENCE

<i>Undergraduate Research Assistant</i>	October 2023 - May 2024
Zavala Research Group, UW Madison	
<ul style="list-style-type: none">- Presented a research proposal to a group of 20 people at a symposium for a UW chemical engineering research group under the guidance of a postdoctoral mentor.- Conducted research on chemical engineering topics related to oleochemical pathways.	

RELEVANT PROJECTS

<i>Concrete bench design (ongoing)</i>
<ul style="list-style-type: none">- Used principles of agile and morphogenetic prototyping to develop a design for a unique bench- Created multiple models in SolidWorks to provide various options in design- Collaborated with scholars to manufacture the bench with a 3D-printed mold and poured concrete
<i>Hackathon Winner – Event Guest List Verification App</i>
<ul style="list-style-type: none">- Created the concept for an app that distributes QR codes to verify event invitations and access.- Collaborated with a team of three to design and develop a prototype.
<i>Small-scale crane (Intro to Mechanical Engineering)</i>
<ul style="list-style-type: none">- Designed and built a lifting mechanism and counter-weight deployment system- Modeled parts in CAD software (SOLIDWORKS)- Leveraged a mathematical software (EES) to maximize performance based on lift speed, weight lifted, and weight of the crane, earning the best score in our section

EXTRACURRICULARS

<i>Kappa Eta Kappa Engineering Fraternity</i>
Executive board member Diversity, Equity, and Inclusion Chair Organization Networking Chair
<ul style="list-style-type: none">- Served as an impartial voting member on the executive board, contributing to chapter decision-making and strategic planning- Established the DEI Chair position to promote inclusivity and foster a more equitable environment.
<i>Program Assistant for the Girl Scouts of America</i>
<ul style="list-style-type: none">- Volunteered annually for 40 hours at a Girl Scout camp leading a troop of girls aged 4 to 14 through various educational exercises and activities, totaling over 250 hours
<i>Elementary classroom volunteer</i>
<ul style="list-style-type: none">- Supported 5th and 6th grade student learning in the classroom setting- Fostered early interest in STEM and post-secondary education
<i>American Society of Mechanical Engineers</i>

SKILLS

<u>Technical skills:</u> Python, R, EES, SOLIDWORKS, conceptual sketching, literature review/research, Finite Element Analysis, topology optimization, Agile Prototyping, Iterative Prototyping, Robotics
<u>Soft skills:</u> Adaptability, creativity, critical thinking, leadership, problem-solving, teamwork, written/oral communication.
<u>Languages:</u> English (native), Spanish (proficient)