

ROSE MENICHINI

630-818-5619 | rosehm2@illinois.edu | linkedin.com/in/rose-menichini-2ab69b222

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Mechanical Engineering

International Minor in Engineering-Mandarin, Art and Design Minor

May 2025

GPA: 3.98/4.00

Related Coursework:

Computer Aided Design Intro to Computer Programming Electricity and Magnetism Design for Manufacturability

TECHNICAL SKILLS: Fusion 360, AutoCAD, SolidWorks, Python, MATLAB, R, Microsoft Office

WORK EXPERIENCE

American Society of Mechanical Engineers

August 2021 – Present

ASME Special Projects Committee Co-Director, Member

- Facilitate, direct, and support Special Projects Committee of about 20 people through multiple projects
- Delegate tasks of ASME Homecoming Float construction to Special Projects Committee
- Correspond with other representatives across campus for purchases, spaces, and budgets

Jackson Innovation Studio

September 2022 - Present

Volunteer

- Supervise and execute 3D printing and laser cutting for student projects
- Maintain and service Ultimaker and Lulzbot 3D printers and other lab materials
- Assist students in machining and advise design of parts

Center for Academic Resources in Engineering

January 2023 - Present

Peer Tutor and Advisor

- Assist students on topics from any engineering-based classes previously taken
- Advise students on academic opportunities and course planning

PROJECT HIGHLIGHTS

Rube Goldberg Machine – Mechanical Engineering 270 Project

August 2022 - December 2022

- Created and improved CADs in Fusion 360 for operation of multiple steps in machine
- Enhanced understanding of 3D printing principles and precision through trials
- Optimized machine operation through Design of Experiments analysis in Microsoft Excel
- Collaborated with small group of 4 people to design and execute machine

Caffeine Caddy – Mechanical Engineering 170 Project

January 2022-May 2022

- Created a coffee and tea dispenser using 2D sketches and 3D modeling in Fusion 360
- Acquired knowledge of mass production methods and designed dispenser to fit such requirements
- Ideated additional modifications and enhancements for a wider market for Honors credit

Thor's Hammer – American Society of Mechanical Engineers, Special Projects Committee

November 2021 - April 2022

- Assisted in hammer assembly and designed parts in Fusion 360
- Utilized electromagnets, 3D printing, and machining to create physical, interactive hammer for public use

EXTRACURRICULAR ACTIVITIES

Kappa Theta Tau Professional Engineering Fraternity

August 2021 - Present

- Collaborate with members to prepare for professional opportunities such as interviews and career fairs
- Organize and host multiple fundraisers to support Urbana Neighborhood Connections

University of Illinois Saxophone Ensemble

January 2022 - Present

- Further communication skills through rehearsals and performances with saxophone ensemble
- Enhance artistic interpretation and creativity through study in saxophone studio