

Leah Fields

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EDUCATION

University of Illinois at Urbana-Champaign (UIUC)

May 2024

Major: Bachelor of Science, Agricultural and Biological Engineering

GPA: 3.19/4.00

- Hackett J.E. and Frank B. Lanham Scholarship Recipient

WORK EXPERIENCE

UIUC Department of Industrial and Enterprise Systems Engineering (ISE)

Lab Assistant, Product Design Lab

August 2022 - Present

- Educated students on the fundamentals of software modeling various parts and assemblies using the computer-aided design software platform Fusion 360.
- Led bi-weekly office hours to assist students with their assignments or complex final team design projects.

Tigerbrain Engineering

Junior Civil Engineer

May 2022 – August 2022

- Verified the submittal data for construction materials and electrical circuits matched the technical specifications provided for the 12,000-foot-long runway project at the Little Rock Air Force Base.
- Travelled to 5 CSX Railroad terminals to take concrete cores and analyze soil samples to delineate limits of future repair areas from 2023-2026.
- Investigated soil classifications, rock mechanics, and geotechnical engineering concepts through on-site tests at the Little Rock Air Force Base runway project

University of Illinois Bursar Office

Customer Service

December 2020 – May 2022

- Handled complaints from university parents and students in a professional manner via phone and email in both a remote and in-person work environment.
- Assisted over 60 people per day during the busy season by consulting full-time staff and problem solving.
- Updated accounts, removed late fees up to \$500, and maintain Banner records.

University of Illinois Housing

Residential Honors Ambassador

May 2021 – May 2022

- Organized orientation events for the 250 incoming freshman in the Honors Living Learning Community.
- Managed a yearly budget of \$30,000 dedicated to planned professional and social events.

LEADERSHIP AND ACTIVITIES

Theta Tau Professional Engineering Fraternity

Urbana-Champaign, IL

Executive member, Treasurer

August 2021-Present

- Managed over \$50,000 in funds through a new system of detailed recordkeeping and careful allocation.
- Developed a high standard for professional interest, collaboration, problem-solving, and leadership skills.

Illini Urban Farming Club

Urbana-Champaign, IL

Executive Member – Council Representative

August 2021-Present

- Led a project where students researched hydroponics and built their own system with various microgreens. The project is on track to be presented and distributed at Engineering Open House in April 2023.
- Increased engagement by bringing in guest speakers and collaborating with community programs dedicated to sustainability like Randolph Street Community Gardens.

SKILLS

Documentation: Microsoft Office Suite, LaTeX

Other: AutoCad, Python, Slack, Google Workspace

Courses:

- CEE 330: Environmental Engineering
- ABE 224: Soil and Water

