

BEN KUNKEL

(331) 442-9775 ▪ bkunkel3@illinois.edu ▪ 2639 Hansford Ave ▪ Batavia, IL 60510

EDUCATION

University of Illinois at Urbana-Champaign – Grainger College of Engineering

Expected Graduation: May 2026

Bachelor of Science in Engineering Mechanics

GPA: 4.00/4.00

TECHNICAL SKILLS

Languages: Python

Computer Aided Design: Fusion 360

EXPERIENCE

ME 170–Champaign, IL

January 2023 – Present

Developer

- Established a baseline of needs for the target audience of our product from information gathered during interactive interviews
- Drafted initial proposals through the computer aided design software, fusion 360, in order to produce a future workable model

Tukuy Pacha – Champaign, IL/ Cochabamba, Bolivia

August 2022 – December 2022

Creator

- Personally worked with the company Tukuy Pacha based in Bolivia to draft an informational piece for ambassadors to utilize
- Designed the infographic to portray the services offered to people with disabilities such as medical assistance and education
- Visited the organization's headquarters to better understand their education and support processes

TAM 195-Truss design and Construction – Champaign, IL

August 2022 – December 2022

Producer

- Collaborated with my group members to analyze and formulate a truss out of wood to carry the most optimal load to weight ratio
- Utilized historical truss diagrams to develop a model in fusion 360 that puts the wood supports in the best position to bear weight
- Joined the truss with screws and tested it in Talbot lab where it carried a max of 4200 pound while only weighing 74.6 pounds

ENG 100-Product Development – Champaign, IL

August 2022 – December 2022

Designer

- Manufactured a product based on the human centered design process specifically focused on people with disabilities
- Developed a lo-fi prototype to allow powered wheelchair users to participate in frisbee golf to the full extent of an able bodied person
- Out of multiple different classes finished as the top product model for the subgroup of people with disabilities

Geneva Park District – Geneva, IL

May 2021 – September 2022, May 2022 – September 2022

Lifeguard

- Certified in the administration of CPR, as well as trained in the handling of an AED, and competent in first aid
- Tasked with the responsibility of keeping track of rules and regulations to secure the safety of the patrons at the pool
- Weekly trainings of spinal and unconscious saves to guarantee optimal results in a real life emergency scenario

LEADERSHIP

Phi Kappa Theta – Champaign, IL

January 2023 – Present

Sergeant at Arms

- Had the responsibility of maintaining the peace and order during Phi Kappa Theta's weekly sunday chapter meetings
- Ensured that all members who are absent from chapter without excuses are in attendance or are held accountable for their absence
- Assisted in forming a philanthropy event for the Children's Miracle Network in order to raise funds for the program

St. Peter's Parish – Geneva, IL

January 2022– March 2022

Volunteer

- Packaged canned goods and other non-perishable items for the parish's local soup kitchen to support those in need
- Collected donated food from the parishioners for purpose of the soup kitchen and categorized them by their contents

All Star Sports – Geneva, IL

August 2021 – October 2021

Coach

- Lead children ages six to twelve in the development of their skills in football as well as teach them teamwork and sportsmanship
- Helped establish a sense of self confidence in the children through constant encouragement and support
- In charge of orchestrating weekly games for each age group of kids as well as designing the plays said kids would run

HONORS, ACTIVITIES & INTERESTS

Honors: IHSA state scholar, all conference academic, Seal of Biliteracy for Spanish

Activities: Intramural basketball, Intramural football, Illinois Spikeball club, Illinois Boxing Club, ASME

Interests: Working out, anime, video games, boxing, wrestling, football, traveling