

# ERIK LIU

304-777-9577 |Email: erikliu2@illinois.edu

## EDUCATION

University of Illinois at Urbana-Champaign

Expected May 2026

Sophomore

Bachelor of Science, Civil  
Engineering

GPA: 3.20    Technical GPA: 3.27

## Relevant Coursework:

Aerospace Flight  
Mechanics

Engineering  
Materials

Thermodynamics

Statics & Dynamics

Computer-Aided  
Design

## TECHNICAL SKILLS

**Computer Languages:** Python, Java, C++, JavaScript, HTML/CSS, PHP, MySQL

**CAD:** Siemens NX

**Multimedia:** Adobe Creative Cloud (Photoshop, Illustrator, Premiere Pro), Blender 3D, Microsoft Office (Word, Excel)

## EXPERIENCE

- **Web Development for Medical Company (2020–Present)**
  - Engineered and implemented web presence with attention to user experience
  - Manage end-to-end website development, spanning both backend and frontend frameworks
  - Collaborated closely with stakeholders to transform their vision into a functional website
- **Senior Project Lead (May 2022)**
  - Spearheaded the successful design and implementation of an innovative, large-scale research project with the goal of studying the effectiveness of vehicle-style control mechanisms on crowd flow
  - Organized small team from concept through execution, demonstrating exceptional team communication, leadership, and project management skills.
  - Engineered functional, homemade traffic signals using Arduino, showcasing technical abilities and engineering discipline
  - Developed comprehensive project documentation, including design specifications, operational plans, and placement strategies, ensuring clarity and concise execution
  - Analyzed project outcomes and collected pedestrian behavior data, contributing valuable insights into the dynamics of pedestrian flow and the potential for innovative crowd management strategies.
- **University Cafeteria – Food Server (April 2023–December 2023)**
  - Demonstrated ability to work in a fast paced work environment, ensuring prompt and accurate service
  - Developed skills to communicate and coordinate efforts between coworkers in a work setting,
- **Grocery Store Deli Associate**
  - Delivered timely and precise responses to customer orders ensuring customer satisfaction
  - Mastered multitasking and prioritization in a demanding retail environment