

## EDUCATION

**University of Illinois at Urbana-Champaign**  
*Bachelor of Science in Electrical Engineering*

GPA: 3.73/4.0  
August 2024 – May 2028

## TECHNICAL EXPERIENCE

**Languages:** Java, JavaScript, Python, MATLAB, HTML, CSS, C

**Applications:** Microsoft PowerPoint, Microsoft Excel, Adobe Premiere Pro, AutoCAD, Autodesk Fusion, KiCAD

## PROJECTS

### **Sense-and-Avoid Autonomous Rover — Personal Project**

December 2025

- Designing and implementing an ultrasonic-based sensing system to detect obstacles via time-of-flight measurements
- Integrating motors, power delivery, and onboard electronics to ensure reliable operation during autonomous navigation (**Arduino**)

### **China House — Website Developer**

December 2025

- Developing a customer-facing website to improve usability and accessibility for a local Chinese restaurant
- Applying usability and accessibility principles to optimize navigation and cross-device performance (**HTML, CSS, JavaScript**)

### **Inspirit AI Program – Machine Learning & AI Design for Distracted Driving Detection**

June 2024

- Designed and developed a distracted driving detection software using machine learning and neural networks to identify driver distraction through real-time image analysis. (**Python**)
- Gained experience in deploying AI solutions in real-world applications, enhancing skills in model evaluation, performance tuning, and ethical considerations in AI.

### **INCubator Edu – Compost Teacher Business Development**

August 2023 -May 2024

- Collaborated with a team to create an adaptable website focused on educating municipalities on composting practices, designed to be easily implementable in local communities.
- Participated in key pitch events, including **DuPage Big Idea Pitch** and **Incubator Pitch Night**, presenting the business model to investors and stakeholders.

## EXPERIENCE

### **Packaging Engineering Intern**

Teinnovations LLC | Aurora, Illinois

May 2025 – August 2025

- Conducted mechanical testing of packaging films on PP & PET substrate, including peel tests for seal strength and burst tank evaluations to assess material durability.
- Assisted with Modified Atmosphere Packaging (MAP) applications to study film performance under varied environmental conditions
- Performed data collection, statistical analysis, and interpretation to evaluate product integrity and optimize test procedures.

### **Assistant Manager**

China House Restaurant | Crest Hill, Illinois

January 2019 – August 2024

- Handled cash transactions, credit card payments, and provided receipts, ensuring a smooth and efficient checkout process.
- Managed customer orders through computer and phone systems, accurately inputting orders and ensuring timely processing.

### **Associate**

Panera Bread | Downers Grove, Illinois

June 2023 – June 2024

- Managed the bakery section, maintaining product displays, ensuring fresh items were available, and assisting customers in selecting bakery items.

Operated as a cashier, taking customer orders, processing payments, and ensuring accurate and timely transactions

## EXTRACURRICULAR

### **Team Member**

Biomedical Engineering Society - Engineering Open House

September 2024 – Present

- Collaborating with a team of engineers to design and build a functional robotic arm, incorporating circuits, motors, and custom coding to simulate human arm movements. (**Arduino**)