

STRENGTHS

-  **Hands-on Problem Solver**
Strong analytical skills translated into effective troubleshooting and fix implementation throughout projects.
-  **Proficient Communicator**
Able to present complex information understandably to diverse audiences, garnering clarity and engagement.
-  **Team Player**
Thrived in collaborative environments; worked alongside peers to achieve shared educational objectives.
-  **Detail-Oriented**
Careful attention to drafting technical documents ensured high compliance standards were achieved consistently.
-  **Adaptive Learner**
Embraced new technologies and methods quickly, seamlessly integrating them into ongoing work requirements.

SKILLS

- C Programming Electrical CAD
- AutoCAD MS Office Suite
- Circuit Testing
- Microcontroller Programming
- Data Analysis Product Testing
- Voltage Measurement
- Battery Testing PCB Testing
- Component Evaluation
- Design Modification
- Technical Writing
- Teardown Analysis Collaboration

SUMMARY

Enthusiastic Electrical Engineering student with experience in circuit design and testing. Achievements include hands-on projects focused on microcontroller programming, engineering documentation, and product testing. Proficient in C language and familiar with Electrical CAD tools. Strong analytical mindset shown through comprehensive test reports that drive design improvements. Committed to core values, with a focus on teamwork to enhance project outcomes. Expected to graduate in May 2027 with relevant academic training in both theoretical and practical applications pertaining to electrical engineering disciplines. Ready to contribute effectively to the engineering team.

EDUCATION

Bachelor's Degree in Electrical Engineering
University of Illinois  GPA: 3.5  2027  Champaign, IL
***Coursework:** Electronic Circuits, Microcontrollers, Signal Processing, Digital Systems Design*

TECHNICAL SKILLS

- **Programming Languages:** C
- **Design Software:** Electrical CAD, AutoCAD, SolidWorks
- **Testing Equipment:** Multimeter, Oscilloscope, Battery Tester
- **Office Software:** Microsoft Word, Excel, PowerPoint
- **Project Management Tools:** Trello, Asana, JIRA
- **Documentation Practices:** Technical writing, Reporting, Note-taking
- **Testing Methodologies:** Performance evaluation, Root cause analysis, Efficiency assessment
- **Hardware Platforms:** Arduino, Raspberry Pi, Development Boards
- **Electronics Components:** Microcontrollers, Batteries, FETs
- **Field Analysis:** Root cause failure analysis, Teardowns, Competitor comparisons

EXPERIENCE

- Electrical Engineering Intern**
University Project  January 2026 - May 2026  Champaign, IL
- Worked as an intern, gaining practical experience by supporting the Electrical Engineering team in various capacities. Responsibilities included tasks such as performing electronic circuit tests and drafting engineering change requests. Emphasized quality while engaging with team members under mentorship.
- Conducted voltage and current analysis on electronic circuits, improving performance metrics for specific applications.
 - Evaluated lithium-ion battery efficiency and endurance across diverse conditions, producing actionable insights.
 - Drafted engineering change requests focusing on compliance, streamlining processes for revisions.
 - Utilized Electrical CAD for creating detailed 2D drawings, implementing feedback from testing phases.
 - Compiled thorough reports presenting test findings which guided design alterations and improvements.
 - Participated in competitor product evaluations, identifying strengths and weaknesses to inform strategic direction.
- Microcontroller Development Assistant**
Academic Research  September 2025 - December 2025  Champaign, IL

LANGUAGES

English	Native
Mandarin	Proficient

MY CAREER



- Electrical Engineering Intern at University Project (4 Months)
- Microcontroller Development Assistant at Academic Research (3 Months)

- Contributed to research and development efforts involving microcontrollers and automated systems within an academic framework. Collaborated closely with faculty and peers to achieve project goals, emphasizing innovation and technical documentation.
- Supported coding microcontrollers in C for automation, demonstrating proficient software skills integrated with hardware capabilities.
 - Analysed sensor data recorded during trials, assessing performance parameters and potential issues.
 - Created presentations using MS PowerPoint to share project milestones and results, enhancing verbal communication.
 - Facilitated peer review meetings, providing constructive critiques that refined methodologies.
 - Maintained organized records showing detailed procedures adopted during experiments for future references.
 - Cultivated collaborative relationships in a dynamic project setting, promoting adaptability and creativity.

Circuit Design Team Member

Hackathon Project 📅 April 2025 📍 Remote

- Collaboratively engaged in focused problem-solving during a competitive hackathon centered on innovative circuit design. Led the team through prototyping stages, bringing theoretical knowledge into practice and heightening effectiveness through simulation.
- Designed and built a prototype circuit catering to smart home solutions, prioritizing user feedback in ideas.
 - Enhanced designs via simulation software, testing circuitry prior to implementation based on projected outcomes.
 - Presented functional prototypes emphasizing utility in real-world contexts to judges, receiving positive reinforcement.
 - Authored thorough documentation explaining design elements and operational instructions for end-user convenience.
 - Sought expertise from mentors for tackling challenges encountered, amplifying learning through discourse.
 - Achieved commendation for innovative concepts contributing valuable angles to known challenges in electronics.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois (2025)
- First Place, University Hackathon (2025)

CERTIFICATIONS

- Introduction to Microcontrollers 📅 2026
- Fundamentals of Circuit Design 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association (2024-Present)
- Volunteer, STEM Outreach Program (2025-Present)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST