

Kyrie Wang

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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 2027
University of Illinois GPA: 3.5 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

SKILLS

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

EXPERIENCE

Electrical Engineering Intern January 2026 - May 2026
University Project 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 September 2025 - December 2025
Academic Research Champaign, IL

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

April 2025

Hackathon Project

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)

LANGUAGES

- English (Native)
- Mandarin (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST