

Zayden Strickland

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SUMMARY

Recent graduate with a Bachelor's degree in Electrical Engineering and hands-on experience in control systems development through academic projects. Proficient in AutoCAD, with a solid understanding of the National Electric Code and electrical wiring principles. Demonstrates strong mechanical and electrical aptitude along with effective communication skills, making a valuable asset to engineering teams. Committed to continuous learning and professional development in the electrical engineering field. Eager to contribute fresh perspectives and technical insights to elevate project standards within a collaborative environment.

EDUCATION

Bachelor's Degree in Electrical Engineering
University of Illinois GPA: 3.7
Coursework: Control Systems, PLC Programming, SCADA Systems, Electrical Wiring Principles

2025
Champaign, IL

TECHNICAL SKILLS

- Design Software:** AutoCAD, SolidWorks, Revit
- Programming Languages:** Python, C++, Java
- Documentation Tools:** Microsoft Word, Excel, PowerPoint
- Control Systems:** PLC, SCADA, HMI
- Electrical Standards:** National Electric Code, IEC Standards, IEEE Standards
- Testing Equipment:** Multimeter, Oscilloscope, Data Logger
- Project Management Tools:** Trello, Asana, Microsoft Project
- Lab Equipment:** Function Generator, Signal Analyzer, Power Supply
- Research Methodologies:** Quantitative Research, Qualitative Analysis, Case Studies
- Simulation Tools:** MATLAB, Simulink, PSCAD

SKILLS

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|--------------------------|--------------------------------|---------------------|------------------|
| • AutoCAD | • Electrical Wiring Principles | • Safety Compliance | • Data Analysis |
| • Microsoft Office Suite | • Team Collaboration | • Problem Solving | • Circuit Design |
| • PLC Programming | • Project Management | • Technical Writing | • Field Testing |
| • SCADA Systems | • Communication Skills | • Research Skills | |

EXPERIENCE

Control Systems Developer
University Project

January 2026 - Present
Chicago, IL

Focused on developing innovative control systems using programmable logic controllers (PLCs). Collaborated on multi-disciplinary projects to create efficient designs that meet regulatory expectations. Supported team dynamics by sharing knowledge gained from research, yielding practical solutions for complex challenges.

- Developed control schematics and panel layouts for a capstone project focusing on PLC-based control systems.
- Collaborated with peers to generate performance specifications and cost estimates for project deliverables.
- Conducted research on variable frequency drives to implement in system designs, enhancing project outcomes.
- Created project presentations and documentation for final project review, successfully meeting academic standards.
- Analyzed and interpreted design drawings to ensure compliance with electrical standards.
- Utilized AutoCAD to produce detailed project drawings, improving visualization and stakeholder understanding.

Electrical Engineering Intern
Academic Research

September 2025 - December 2025
Chicago, IL

Engaged in high-impact projects related to SCADA systems for water management. Contributed to real-world applications while following best practices in electrical design and safety. Fostered cooperative relationships among team members through active participation.

- Assisted in the design and testing of SCADA systems for water management applications.
- Engaged in hands-on learning about electrical wiring and control systems during laboratory sessions.
- Participated in team meetings to discuss project progress and share insights on engineering best practices.
- Developed detailed reports on research outcomes, contributing to the overall knowledge base of the team.
- Gained experience in using Microsoft Office for project documentation and communication.
- Supported the evaluation of technical specifications, aligning research with industry standards.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois (2025)
- Engineering Scholarship Recipient (2025)

CERTIFICATIONS

- AutoCAD Certified User  2026
- OSHA 10-Hour General Industry Safety and Health  2026

PROFESSIONAL AFFILIATIONS

- Member of the Engineering Student Association, facilitating workshops on emerging technologies.
- Volunteer for the local community STEM outreach program, promoting engineering education among high school students.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST