Kingston Mcguire

Entry-Level Electrical Design Engineer

(217) 555-1234 kingston.mcguire@example.com linkedin.com/in/kingstonmcguire Springfield, IL 62701

STRENGTHS

Creative Problem Solver
Excelled at designing innovative solutions for complex electrical design obstacles encountered in projects.

Strong Communicator
Articulated intricate technical concepts clearly during presentations, fostering understanding among diverse audiences.

Team Player
Collaborated efficiently within diverse teams, driving productivity and successful project outcomes.

Adaptable Learner
Quickly grasped new technologies and concepts, demonstrating enthusiasm and readiness in every project.

Detail-Oriented
Consistently ensured accuracy in drawings and schematics, which minimized errors in implementation.

SKILLS

AutoCAD | Electrical Design | Control Systems | Wiring Diagrams | Technical Documentation | Team Collaboration | Project Management | Schematics Interpretation | Bill of Materials | Heat Dissipation Calculations | Validation Testing | Component Research | Custom Control Panels | Electrical Components | Data Sheets

SUMMARY

Detail-oriented Electrical Engineering graduate with hands-on experience in electrical design projects. Practiced in custom control panel design and wiring schematics, leveraging AutoCAD for technical drawings. Eager to support innovative designs while working collaboratively. Demonstrated effective time management across multiple projects. Committed to continuous learning and applying knowledge of electrical components and systems. Enthusiastic about joining a forward-thinking team where skills can enhance organizational goals.

EDUCATION

Bachelor of Science in Electrical Engineering

Springfield University GPA: 3.7 2026 Springfield, IL

Coursework: *Electrical Systems, Control Theory, Circuit Analysis, Power Electronics*

TECHNICAL SKILLS

- **Design Software:** AutoCAD, MATLAB, SolidWorks
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Testing Equipment:** Multimeter, Oscilloscope, Function Generator
- **Documentation Standards:** IEEE, ANSI, ISO
- **Programming Languages:** C, C++, Python
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Research Databases:** IEEE Xplore, ScienceDirect, Google Scholar
- **Simulation Tools:** MATLAB Simulink, PSpice, LTspice
- **Prototyping Tools:** Arduino, Raspberry Pi, PCB Design Software
- **Network Protocols:** TCP/IP, RS-232, CAN Bus

EXPERIENCE

Electrical Engineering Student

University Project August 2025 - May 2026 Springfield, IL

Engaged as part of an academic project focusing on practical applications in electrical design and system integration, gaining valuable insight into industry-standard practices.

- Designed a custom control panel prototype for smart home technology, aiming for energy efficiency.
- Developed wiring diagrams ensuring correct implementation of systems during testing phases.
- Conducted extensive validation tests for control circuits to verify operational reliability.
- Collaborated with peers to create a detailed bill of materials meeting all specifications.
- Efficiently used AutoCAD to produce precise technical drawings for engineering documentation.
- Presented findings and technical data clearly to faculty, showcasing communication ability.

Electrical Design Developer

Capstone Project August 2025 - May 2026 Springfield, IL

Led an impactful capstone project targeting renewable energy solutions through innovative electrical designs, significantly contributing to sustainable technology.

- Researched component requirements effectively using datasheets to make informed decisions.
- Maintained thorough documentation throughout the project lifecycle, enhancing accountability.
- Organized team meetings focused on prioritizing tasks and aligning with project objectives.
- Performed heat dissipation calculations crucial for maintaining efficiency in proposed systems.
- Exhibited strong multitasking capabilities by adhering to deadlines and quality standards.
- Fostered collaboration among team members, optimizing workflows for better productivity.

LEADERSHIP & AWARDS

- Dean's List, Springfield University, 2025

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Electrical Engineering Student at University Project (9 Months)
- Electrical Design Developer at Capstone Project (9 Months)

- First Place, University Engineering Competition, 2026

CERTIFICATIONS

- AutoCAD Certification 2026
- Electrical Design Fundamentals 2026

PROFESSIONAL AFFILIATIONS

- Member, Electrical Engineering Club, Springfield University
- Volunteer, Community Renewable Energy Workshop, 2025

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST