

Adrian Bishop

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SUMMARY

Detail-oriented engineering student with hands-on experience in quality control processes and electrical systems. Strong background in interpreting technical drawings, performing inspections, and ensuring compliance with safety regulations. Prepared detailed reports reflecting findings, which facilitated informed decision-making. Collaborated effectively with cross-functional teams to enhance quality assurance practices. Eagerness to leverage skills and academic projects to contribute effectively as a Data Center Quality Inspector. Committed to maintaining high standards of safety and excellence throughout all operations.

EDUCATION

Master's Degree in Electrical Engineering	2026
Louisiana State University GPA: 3.8	Baton Rouge, LA
<i>Coursework: Circuit Theory, Control Systems, Power Electronics, Signal Processing</i>	
Bachelor's Degree in Electrical Engineering	2025
Louisiana State University GPA: 3.7	Baton Rouge, LA
<i>Coursework: Digital Logic Design, Electromagnetics, Analog Circuits, Energy Systems</i>	

TECHNICAL SKILLS

- Inspection Tools:** Multimeter, Oscilloscope, Megger
- Design Software:** AutoCAD, SolidWorks, Revit
- Testing Equipment:** Voltage Tester, Current Clamp, Circuit Breaker Analyzer
- Safety Standards:** National Electric Code, NFPA 70E, IAEI Guidelines
- Inspection Techniques:** Visual Inspection, Performance Testing, Electrical Drawing Review
- Monitoring Systems:** SCADA, PLC Programming, HMI Design
- Project Management Tools:** Trello, Asana, JIRA
- Communication Tools:** Microsoft Teams, Zoom, Slack
- Data Analysis Software:** MATLAB, Python, Excel
- Reporting Tools:** Google Docs, Microsoft Word, Tableau

SKILLS

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|--------------------------|----------------------|-------------------|-----------------------------|
| • Quality Control | • Circuit Analysis | • Problem Solving | • Presentation Skills |
| • Electrical Inspections | • Electrical Testing | • Risk Assessment | • AutoCAD |
| • Safety Compliance | • Project Management | • Documentation | • Simulation Software |
| • Technical Writing | • System Design | • Teamwork | • Lockout/Tagout Procedures |

EXPERIENCE

Electrical Quality Control Intern	June 2025 - Present
University Research Lab	New Orleans, LA
Supported inspection efforts in an educational capacity for electrical distribution systems while fostering teamwork among engineers. Conducted thorough inspections aligned with safety procedures, enhancing operational compliance. Collaborated closely with technical teams to interpret complex electrical diagrams crucial for project protocols. Spearheaded Lockout/Tagout (LOTO) processes during maintenance ventures, contributing to a safer work environment. Orchestrated comprehensive inspection reports detailing findings that informed future compliance adjustments. Mentored new interns on safety measures and inspection methods, facilitating knowledge transfer and best practices.	
- Conducted inspections of electrical distribution systems, verifying alignment with regulatory safety standards. - Prepared and submitted extensive daily reports detailing findings and improvement recommendations. - Collaborated with engineering teams, interpreting electrical drawings for seamless project execution. - Facilitated LOTO procedures ensuring complete adherence to safety protocols during inspection activities. - Trained incoming interns on inspection methodologies and workplace safety practices, strengthening the team. - Implemented new documentation techniques that enhanced reporting accuracy and streamlined workflows.	
Capstone Project Developer	September 2025 - May 2026
Academic Project	New Orleans, LA

Initiated development of an automated system for conducting inspections that improve efficiency. Worked collaboratively with peers through a group of five to design and academically test the prototype under realistic conditions. Documented each phase of the project and addressed challenges, shaping future project guidelines based on insight gained. Presented successful outcomes to faculty and industry professionals, emphasizing potential impacts on inspection accuracy. Utilized software tools like AutoCAD and electrical simulation for refined designs, showcasing innovative technical capabilities. Facilitated peer feedback sessions ensuring thorough review and precision in project deliverables.

- Developed an automated inspection prototype for electrical components, significantly increasing efficiency.
- Led a collaborative team effort utilizing real-world data sets for design testing and validation purposes.
- Thoroughly documented development stages, addressing encountered challenges and solutions for future reference.
- Presented findings articulately to faculty and industry representatives, receiving commendations on innovation.
- Utilized AutoCAD alongside simulation software to refine design aspects ensuring project success.
- Engaged with peer reviews fostering accuracy and reliability in project outcomes across the board.

Team Member

March 2026

Hackathon Project

New Orleans, LA

Contributed vital input during a time-constrained hackathon focused on creating compliant inspection applications. Took charge of user interface development, integrating essential safety checklists designed for inspectors’ convenience in practical settings. Engaged users in testing phases to gather actionable feedback helping drive further improvements before the final presentation. Achieved recognition by securing second place out of fifteen competing teams, showcasing the application to influential local figures in electrical safety. The competition honed problem-solving and software enhancement skills in a dynamic environment. Fostered collaboration and competitive spirit leading to effective teamwork and innovation.

- Directed a team in designing a safety compliance application tailored for electrical inspections within 48 hours.
- Developed user interfaces integrating vital safety features aimed at assisting field inspectors effectively.
- Executed testing rounds engaging potential users to capture valuable feedback aiding iterative enhancements.
- Achieved second position in a competitive setting among peers, gaining visibility among local industry stalwarts.
- Sharpened software development competencies along with insights in user experience design towards functional excellence.
- Cultivated strong team dynamics and swift problem-solving abilities against tight project timelines.

LEADERSHIP & AWARDS

- Dean's List for Academic Excellence, Fall 2025
- First Place in Campus Engineering Competition, Spring 2025

CERTIFICATIONS

- OSHA 10-Hour Construction Safety 📅 2025
- Certified Electrical Safety Compliance 📅 2026

PROFESSIONAL AFFILIATIONS

- Member of the IEEE Student Chapter
- Volunteered for Habitat for Humanity

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST