

Jasper Woods

Wiring Harness Project Engineer Intern

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SUMMARY

Detail-oriented engineering student dedicated to project coordination and data analysis. Engaged in various collaborative projects, showcasing proficiency in Computer Aided Drafting and Python programming. Committed to organizing project timelines and fostering effective team communication. Proven ability to streamline processes, effectively manage deliverables, and enhance overall project outcomes while maintaining a positive attitude. Eager to support innovative engineering solutions that align with organizational goals, while continuing to grow professionally within a dynamic environment.

EDUCATION

Bachelor of Science in Electrical Engineering

University of Missouri 🎓 GPA: 3.5 📅 2026 📍 Columbia, MO

Coursework: Sustainable Energy Systems, Circuit Design, Digital Signal Processing, Control Systems

TECHNICAL SKILLS

- **Software Development Tools:** Python, Git, Jupyter Notebook
- **CAD Software:** AutoCAD, SolidWorks, Fusion 360
- **Data Analysis Tools:** Excel, MATLAB, R
- **Project Management Tools:** Trello, Asana, Notion
- **Communication Platforms:** Slack, Zoom, Microsoft Teams
- **Electrical Engineering Standards:** IEEE, IPC, ANSI
- **Testing and Debugging Tools:** MATLAB, PSpice, Multisim
- **Version Control Systems:** Git, SVN, Bitbucket
- **Prototyping Tools:** Fritzing, Tinkercad, Eagle
- **Presentation Software:** PowerPoint, Google Slides, Canva

SKILLS

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|---------------------------|-------------------------|----------------------------|--------------------|
| • Project Coordination | • Electrical Schematics | • Problem Solving | • Risk Assessment |
| • Data Analysis | • Team Collaboration | • Attention to Detail | • Schematic Design |
| • Computer Aided Drafting | • Microsoft Excel | • Documentation Management | • Research Methods |
| • Python Programming | • Communication Skills | • Scheduling | • IoT Technologies |

EXPERIENCE

Wiring Harness Development Team Member

University Project 📅 January 2026 - Present 📍 Kansas City, MO

Contributed as a key member of a capstone project focused on developing wiring harness solutions tailored for automotive applications. Collaborated in an engaging team environment to enhance efficiency and reliability in design output.

- Collaborated on wiring harness development, focusing on maximizing design quality.
- Conducted thorough data analysis, identifying bottlenecks that shifted project timelines for the benefit of stakeholders.
- Designed detailed wiring schematics using CAD software, ensuring adherence to safety norms.
- Organized project documentation that enabled clear visibility into milestones and reporting stages.
- Facilitated weekly team discussions, strengthening communication and design review mechanisms.
- Created an Excel dashboard to effectively track project metrics and resources allocated.

Electrical Engineering Student Researcher

Academic Research 📅 August 2025 - December 2025 📍 Kansas City, MO

Engaged in significant academic research surrounding sustainable energy solutions while enhancing capabilities in electrical systems integration. This experience deepened analytical skills and encouraged practical implementation of theoretical knowledge.

- Participated in evaluating renewable energy applications through sophisticated experimental designs.
- Prepared comprehensive analyses contributing to a research paper submitted at a national conference.
- Leveraged Python programming to facilitate efficient data manipulation during studies.
- Coordinated with team members for documenting research findings and enhancing clarity of results.
- Presented findings to academic peers and faculty, showcasing potential industry impact.

- Maintained lab equipment meticulously, advocating for strict adherence to safety protocols.

Smart Home Automation Developer

Hackathon Project 📅 March 2026 📍 Remote

Developed a prototype for a smart home automation system in a competitive hackathon setting, demonstrating strong problem-solving capabilities and creativity under pressure. Worked towards enhancing user experience with intuitive technology.

- Engineered a user-friendly smart home system utilizing IoT features for client satisfaction.
- Collaborated with a diverse team to brainstorm features and refine prototypes dynamically.
- Authored clear project documentation that streamlined the creative process and future iterations.
- Performed rigorous testing and debugging procedures to ensure high performance.
- Communicated effectively with judges during presentations, clearly articulating technical solutions.
- Achieved third place recognition, underscoring innovation and functionality of developed prototype.

LEADERSHIP & AWARDS

- Dean's List, University of Missouri, 2025
- First Place, University Coding Competition, 2025

CERTIFICATIONS

- Certified in Python Programming 📅 2026
- CAD Software Proficiency 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Electrical Engineering Society, 2025 – Present
- Volunteer, Local Habitat for Humanity, 2025 – Present

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST