

Jasper Woods

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SUMMARY

Enthusiastic student pursuing a degree in Electrical Engineering, eager to contribute innovative solutions within data centers. Practical experience stems from academic projects and internships focusing on electrical systems, HVAC, and mechanical components. Developed strong troubleshooting skills through hands-on experiences while maintaining a solid customer service mindset. Track record of enhancing operational efficiency through diligent documentation and precision in all aspects of tasks. Passionate about facilities management and committed to continuous improvement for team success.

EDUCATION

Bachelor's Degree in Electrical Engineering
University of California, San Francisco GPA: 3.7
Coursework: Circuits, Control Systems, Power Systems, Signal Processing

2026
San Francisco, CA

TECHNICAL SKILLS

- HVAC Systems:** Ductwork Design, Preventative Maintenance, System Testing
- Electrical Components:** Circuit Design, Wiring, Conduit Installation
- Software Tools:** AutoCAD, MATLAB, Microsoft Project
- Documentation Practices:** Technical Writing, Record Maintenance, Compliance Standards
- Fiber Optic Technology:** Splicing Techniques, Signal Transmission, Network Setup
- Safety Standards:** OSHA Guidelines, Risk Management, Safe Work Practices
- Mechanical Systems:** Pneumatics, Hydraulics, Component Testing
- Building Systems:** Automation Control, Energy Management, System Integration
- Customer Engagement:** Service-Oriented Approach, Customer Interaction, Satisfaction Tracking
- Project Management:** Task Coordination, Time Management, Team Leadership

SKILLS

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|--------------------------|-----------------------|-----------------------|----------------------|
| • HVAC Systems | • Project Management | • Mechanical Systems | • Testing Procedures |
| • Electrical Engineering | • Documentation | • Teamwork | • Problem Solving |
| • Troubleshooting | • Fiber Optics | • Energy Efficiency | • Critical Thinking |
| • Customer Service | • Building Automation | • Presentation Skills | • Control Systems |

EXPERIENCE

Electrical Systems Technician
University Project

January 2026 - Present
San Francisco, CA

Supported the development of key engineering projects focused on electrical systems, fostering collaboration among peers while enhancing safety compliance. Offered mentorship to junior students in technical concepts, contributing to team growth and knowledge sharing.

- Developed a prototype for an automated HVAC control system, notably increasing energy efficiency.
- Collaborated with cross-functional teams on project designs, ensuring adherence to safety guidelines.
- Conducted extensive testing of electrical components, guaranteeing top performance.
- Documented project developments meticulously, tracking design changes and test results.
- Presented findings at engineering fairs, receiving positive evaluations from faculty members.
- Mentored junior classmates on foundational electrical engineering principles, fostering their understanding.

Data Center Simulation Developer
Hackathon Project

September 2025 - December 2025
San Francisco, CA

Engaged actively in a competitive environment to develop a simulation addressing data center operations, collaborating closely with a diverse team to tackle real-world issues innovatively.

- Designed a simulation tool for managing data center infrastructure effectively, focusing on usability.
- Created an interface that simplified monitoring processes for data center operations.
- Utilized AutoCAD and MATLAB for layout design and modeling of the data center.
- Presented comprehensive project outcomes highlighting potential industry applications of the developed solution.
- Enhanced teamwork dynamics by leveraging diverse skill sets within the project group.

- Won 'Best Technical Solution' award thanks to innovative execution and creative problem-solving.

Facilities Maintenance Intern

June 2025 - August 2025

Internship

Remote

Contributed energetically to the maintenance of critical facility systems, gaining insights into building operations and customer service delivery while ensuring high-quality standards.

- Assisted with the troubleshooting of HVAC systems to enhance operational effectiveness.
- Managed building automation systems, noting their significant role in operational smoothness.
- Aimed for timely customer order fulfillment, achieving exemplary accuracy in execution.
- Collaborated with team members promoting a culture focused on ongoing improvements.
- Maintained records of maintenance activities supporting continuity in service delivery.
- Cultivated interests in facilities management principles, nurturing a commitment to operational excellence.

LEADERSHIP & AWARDS

- Dean's List, University of California, San Francisco, 2025
- Best Technical Solution Award, San Francisco Hackathon, 2025

CERTIFICATIONS

- HVAC Fundamentals Certification 📅 2025
- Electrical Safety Certification 📅 2025

PROFESSIONAL AFFILIATIONS

- IEEE Student Chapter Member, University of California, 2024 - Present
- Society of Women Engineers Member, University of California, 2023 - Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST