

Spencer Nash

Substation and Transmission Line Intern

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SUMMARY

Detail-oriented engineering student passionate about applying theoretical knowledge to real-world projects. Engaged in hands-on experiences in electrical engineering, leading collaborative efforts and utilizing industry tools. Demonstrated problem-solving abilities through internships and academic challenges. Eager to contribute skills while gaining insights into engineering processes. A commitment to mentoring has fostered growth through direct engagement with experienced professionals. Enthusiastic about innovation in energy solutions, aiming for impactful contributions under professional guidance, all while maintaining adherence to engineering standards.

EDUCATION

Bachelor of Science in Electrical Engineering

University of Texas at Austin 🎓 GPA: 3.5 📅 2026 📍 Austin, Texas

Coursework: Circuit Design, Power Systems, Control Systems, Renewable Energy

TECHNICAL SKILLS

- **Project Management Tools:** Trello, Asana, JIRA
- **Simulation Software:** MATLAB, Simulink, PSS/E
- **Design Tools:** AutoCAD, SolidWorks, ETAP
- **Office Applications:** Microsoft Word, Excel, PowerPoint
- **Programming Languages:** Python, C++, MATLAB
- **Statistical Software:** R, SAS, SPSS
- **Energy Modelling Tools:** HOMER, RETScreen, SAM
- **Cloud Platforms:** AWS, Microsoft Azure, Google Cloud
- **Networking Frameworks:** TCP/IP, UDP, OSI Model
- **Industry Standards:** IEEE Standards, ANSI Standards, ASCE Guidelines

SKILLS

- Electrical Engineering
- Power Systems
- Circuit Analysis
- Project Management
- Statistical Analysis
- Sustainable Energy
- Simulation Software
- Technical Writing
- Data Collection
- Collaboration
- Mentoring
- Research Techniques
- Creativity
- Communication
- Problem-Solving

EXPERIENCE

Substation Engineering Intern

Innovative Engineering Solutions 📅 May 2026 - Present 📍 Houston, Texas

Contributing as an intern focused on substation design and implementation of electrical projects under the guidance of senior engineers. Supported documentation processes and project tracking, ensuring adherence to industry standards while collaborating effectively with team members.

- Collaborated on various electrical design projects, translating theories into workable solutions.
- Assisted in editing project documents while learning from experienced engineers in a supportive environment.
- Participated actively in regular team meetings sharing insights and improvements for ongoing projects.
- Utilized Microsoft Office tools for effective communication and reporting purposes within the team.
- Engaged with mentorship opportunities enhancing both technical and leadership skills.
- Conducted field visits facilitating practical observation of project execution for more informed perspectives.

Capstone Project Developer

University Project 📅 September 2025 - May 2026 📍 Austin, Texas

Led a capstone team dedicated to designing sustainable energy solutions integrating renewable resources. Coordinated various phases of the project to meet deadlines while showcasing innovation in energy efficiency presentations and findings.

- Spearheaded a cross-functional team engaging in the creation of a forward-thinking energy solution emphasizing sustainability.
- Conducted thorough feasibility studies interpreting collected data and findings to guide final recommendations.
- Coordinated timelines among team members balancing task assignments and resource allocations to maintain workflow.
- Utilized simulation software actively modeling energy systems providing valuable performance evaluations.

- Documented comprehensive methodologies supporting subsequent academic presentations highlighting innovative achievements.
- Earned top accolades for the project's design effectiveness showcased during departmental recognition events.

Research Assistant

Academic Research Lab 📅 January 2025 - May 2025 📍 Austin, Texas

Gained practical experience in researching advanced power systems with emphasis on smart grid technologies. Collaborated with peers focusing on experimental integrity and contributing to collective research advancements.

- Supported multiple research initiatives investigating efficiency and reliability within advanced power distribution networks.
- Conducted experiments actively collecting data which contributed toward refining smarter grid methodologies.
- Analyzed resulting data with statistical software defining actionable conclusions that directed future studies.
- Collaborated efficiently in a lab setting troubleshooting various experimental setups elaborating on cohesive teamwork.
- Co-authored a significant research paper presented nationally showcasing collective findings throughout the engineering community.
- Contributed effectively to the preparation of grant proposals critical to securing funding for ongoing research endeavors.

LEADERSHIP & AWARDS

- Dean's List, University of Texas at Austin (2024, 2025)
- First Place, Engineering Design Competition (2025)

CERTIFICATIONS

- Microsoft Office Specialist Certification 📅 2025
- Coursera: Introduction to Power Systems 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association
- Volunteer, 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