STRENGTHS

Analytical Thinking
Consistently integrated analytical problem-solving in engineering design processes for effective outcomes.

Collaboration Skills
Regularly collaborated across multi-disciplinary teams, ensuring cohesive project progression and knowledge sharing.

Technical Proficiency
Developed hands-on proficiency in using CAD and ETAP software tailored for high voltage systems design.

Communication
Used clear communication skills during presentations to convey complex engineering concepts in accessible terms.

Attention to Detail
Demonstrated careful attention to detail while preparing engineering documents and specifications, enhancing quality.

SKILLS

Electrical Engineering

High Voltage Systems

Protection and Control Design

CAD Software ETAP

Technical Documentation

Team Collaboration

Communication Skills

AC Circuit Analysis

Andres Payne

Substation Engineer

(901) 555-0123 andres.payne@example.com
linkedin.com/in/andres-payne Memphis, TN, 38103

SUMMARY

Aspiring Substation Engineer with grounding in electrical engineering principles and a focus on high voltage systems. Demonstrates strong analytical skills through practical experience with engineering designs and calculations during academic projects. Engaged in developing expertise in both Protection and Control and Physical aspects of substations while collaborating closely with project teams. Built hands-on proficiency in using design software like ETAP, ensuring compliance with national standards, safety codes, and specifications. Eager to contribute innovative solutions and further professional growth in electrical engineering.

EDUCATION

Master's Degree in Electrical Engineering

University of Memphis GPA: 3.7 2026 Memphis, TN

Coursework: *High Voltage Systems, AC/DC Circuits, Power Systems Design, CAD Applications*

Bachelor's Degree in Electrical Engineering

University of Memphis GPA: 3.8 2025 Memphis, TN

Coursework: *Fundamentals of Electric Circuits, Electronics, Safety Standards, Engineering Ethics*

TECHNICAL SKILLS

- **Design Software:** AutoCAD, ETAP, EasyPower
- **Engineering Principles:** Electrical Fundamentals, Control Systems, Safety Standards
- **Documentation Tools:** Microsoft Word, Microsoft Excel, LaTeX
- **Project Management:** Agile Methodology, Scrum, Kanban
- **Testing Equipment:** Oscilloscope, Multimeter, Spectrum Analyzer
- **Presentation Tools:** PowerPoint, Google Slides, Canva
- **Research Tools:** MATLAB, Simulink, Python
- **Analysis Software:** SPSS, ANOVA, MATLAB
- **Networking Tools:** Cisco Packet Tracer, Wireshark, SolarWinds
- **Coding Languages:** Python, C++, MATLAB

EXPERIENCE

Substation Design Intern

University Project January 2026 - Present Nashville, TN

Focused on preparing technical drawings and calculations for high voltage substations under senior engineering supervision. Collaborated on multiple engineering projects emphasizing protection design and substation layouts, contributing valuable insights and support in achieving key deliverables.

- Created detailed engineering drawings and calculations for high voltage substations.
- Conducted analyses reinforcing protection and control design protocols.
- Assisted in developing schematics, including one-line diagrams, under guidance.
- Utilized electrical design software like ETAP effectively for system evaluations.
- Participated in design reviews ensuring adherence to regulations and safety codes.
- Fostered teamwork and learning within multidisciplinary project groups.

Electrical Engineering Assistant

Academic Research September 2025 - December 2025 Memphis, TN

DC Circuit Analysis

Power System Stability

Safety Compliance Codes

Grounding Design Techniques

Wiring Diagrams SCADA Systems

Design Sketch Preparation

LANGUAGES

English Native

Spanish Proficient

MY CAREER

- Substation Design Intern at University Project (7 Months)
- Electrical Engineering Assistant at Academic Research (3 Months)

Supported engineering faculty in research surrounding innovative approaches in high voltage design methodologies. Contributed significantly by preparing documentation, performing laboratory tests, and presenting findings to stakeholders.

- Engaged actively in literature review and development relating to substation designs.
- Assisted in drafting technical reports slated for publication in journals.
- Conducted laboratory testing to monitor electrical system performance metrics.
- Showcased project outcomes in team presentations and discussions.
- Employed CAD tools for drafting precise engineering schematics.
- Cultivated collaborative rapports with peers and mentors for skill advancement.

LEADERSHIP & AWARDS

- Dean's List, University of Memphis, 2025
- First Place, Engineering Hackathon, 2025

CERTIFICATIONS

- Engineer in Training (EIT) 2027
- Completed coursework in Electrical Design Software 2026

PROFESSIONAL AFFILIATIONS

- Member, Student Engineering Society, University of Memphis
- Volunteer, STEM Outreach Program for high school students

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST