

# Dallas Hensley

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## SUMMARY

Detail-oriented structural engineer bringing over four years of experience designing and delivering effective structural solutions for electrical substation projects. Proven ability to manage priorities while adhering to industry standards for design quality, safety, and functionality. Strong interpersonal skills facilitate collaboration across various teams to achieve project goals and meet deadlines. Aiming to contribute expertise in structural analysis and finite element modeling towards building innovative engineering solutions in a dynamic company.

## EXPERIENCE

### Structural Engineering Associate

June 2023 - Present

Advanced Structural Designs

Denver, CO

In this role, support has been provided for the design and analysis of structural systems integral to electrical substations. Responsibilities include ensuring compliance with client specifications and rigorous industry standards.

- Developed and reviewed structural calculations, significantly enhancing project efficiency.
- Collaborated with cross-discipline teams leading to the seamless integration of designs.
- Utilized finite element modeling software for detailed structural analyses, improving overall design reliability.
- Conducted QA/QC reviews on design deliverables, consistently maintaining high-quality standards before submission.
- Mentored junior engineers, sharing insights on structural design principles and practices.
- Engaged in strategic meetings with clients, providing updates and technical insights.

### Junior Structural Engineer

July 2021 - May 2023

NextGen Engineering Solutions

Overland Park, KS

Contributed to the design and documentation of structural components tailored to electrical substations, placing emphasis on load-bearing structures and foundations.

- Facilitated coordination with project managers on schedules and cost estimates, improving resource allocation.
- Prepared detailed construction documents ensuring compliance with relevant codes.
- Participated in client meetings, transforming complex technical information into understandable insights.
- Monitored construction sites closely to ensure adherence to designs and safety protocols.
- Fostered strong communication within teams leading to the timely completion of projects.
- Crafted comprehensive reports documenting project progress and results.

## LEADERSHIP & AWARDS

- EIT Certification earned in 2022.
- Recognized as Employee of the Month at Advanced Structural Designs, January 2024.

## EDUCATION

### Bachelor's Degree in Civil Engineering

2021

University of Colorado Boulder GPA: 3.5

Boulder, CO

**Coursework:** Structural Engineering, Fluid Mechanics, Materials Science, Geotechnical Engineering

## CERTIFICATIONS

- Engineer in Training (EIT) 📅 2022
- First Aid/CPR Certification 📅 2023

## TECHNICAL SKILLS

- **Structural Analysis Tools:** SAP2000, ETABS, ANSYS
- **Modeling Software:** AutoCAD, Revit, SketchUp
- **Project Management Tools:** MS Project, Trello, Asana
- **Documentation Standards:** ASTM, AISC, IBC
- **Engineering Software:** MATLAB, Rhino, SolidWorks
- **Collaboration Platforms:** Microsoft Teams, Slack, Zoom
- **Calculatory Software:** MathCAD, Excel, RISA
- **Safety Standards:** OSHA, NESC, NEC

- **Quality Control Systems:** ISO 9001, Lean Six Sigma, Kaizen
- **Geotechnical Analysis Tools:** PLAXIS, GeoStudio, SLOPE/W

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## SKILLS

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- Structural Analysis
- Finite Element Modeling
- Project Coordination
- Technical Documentation
- Quality Assurance
- Communication
- Load-Bearing Structures
- Cost Estimation
- Construction Specifications
- Design Reviews
- Client Interaction
- Site Monitoring
- Team Mentorship
- Design Standards
- Cross-Functional Collaborations
- Engineering Calculations

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## PROFESSIONAL AFFILIATIONS

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- Member of American Society of Civil Engineers (ASCE).
- Active participant in local civil engineering seminars and workshops.

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## LANGUAGES

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## ADDITIONAL INFORMATION

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

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## REFERENCES

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AVAILABLE ON REQUEST