

Titus Pratt

Staff Structural Engineer

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SUMMARY

Dedicated Structural Engineer with over 6 years of experience driving project success in manufacturing and utilities. Adept at developing innovative structural designs while ensuring compliance with national codes like IBC, ACI, and AISC. Proven ability to perform complex seismic analyses and produce comprehensive calculations and specifications. Energetic collaborator, effectively communicating with diverse teams and clients throughout project lifecycles. Committed mentor for junior engineers, promoting professional growth within the team. Eager to contribute expertise toward sustainable solutions that align with organizational values.

EXPERIENCE

Structural Engineer

Innovative Engineering Solutions 📅 June 2020 - Present 📍 Remote, USA

Responsible for leading various structural engineering projects focused on compliance and quality. Engaged with multidisciplinary teams and clients across multiple sectors, enhancing project coherence and achieving optimal outcomes.

- Oversaw design and analysis of structural components per IBC, ACI, and AISC codes, ensuring safety and functionality.
- Developed detailed project specifications and contract documents that clarified client expectations and streamlined workflows.
- Performed complex seismic analysis contributing to enhanced reliability and performance of various structures.
- Delivered mentorship to junior engineers, uplifting their skills and confidence in project environments.
- Managed construction administration responsibilities including RFIs and field observations, facilitating smooth project execution.
- Maintained strong client relationships by actively addressing inquiries and providing regular project updates.

Junior Structural Engineer

Creative Structural Designs 📅 August 2016 - May 2020 📍 Boulder, CO

Contributed to project teams on varied commercial and residential designs, strengthening communication among stakeholders through collaboration and shared problem-solving.

- Assisted in analyzing structural systems which led to compliant and efficient constructions.
- Collaborated closely with architects, integrating structural insights into overall project designs successfully.
- Created accurate technical documentation using AutoCAD and Revit, improving project deliverables.
- Participated in site visits offering practical support and actionable recommendations.
- Engaged in proposal preparations and design reports enhancing company visibility and competitiveness.
- Continued professional development while preparing to take the PE exam and innovate supportive practices.

LEADERSHIP & AWARDS

- Employee of the Month for exceptional project leadership, September 2021.
- Recognized for contributions to a multimillion-dollar infrastructure project, July 2022.

EDUCATION

Bachelor's Degree in Civil Engineering

University of Colorado Boulder 🎓 GPA: 3.5 📅 2016 📍 Boulder, CO

Coursework: Structural Analysis, Project Management, Technical Documentation, Code Compliance

CERTIFICATIONS

- Engineer-in-Training (EIT) 📅 2020
- Preparing for Professional Engineer (PE) exam 📅 2026

TECHNICAL SKILLS

- **Design Software:** RISA, ETABS, Revit, AutoCAD
- **Standards & Codes:** IBC, ACI, AISC
- **Project Management Tools:** Trello, Asana, JIRA
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Data Analysis:** Excel, MATLAB, R
- **Documentation Tools:** Microsoft Word, Adobe Acrobat, Visio
- **Surveying Equipment:** Total Station, Laser Scanner, GPS

- **Quality Control Methods:** ISO Standards, Six Sigma, Lean Principles
- **Engineering Modeling:** BIM Integration, 3D Modelling, Load Evaluations
- **Construction Management:** Field Reports, Workflow Optimization, Risk Assessment

SKILLS

- Structural Analysis
- Project Management
- RISA
- ETABS
- Revit
- AutoCAD
- Code Compliance
- Technical Documentation
- Effective Communication
- Seismic Analysis
- Client Engagement
- Field Observation
- Construction Admin
- Team Collaboration
- Specification Development

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Civil Engineers (ASCE).
- Active participant in local engineering community initiatives.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST