

Priya Walker

Civil Engineer - Forensics

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SUMMARY

Detail-oriented Civil Engineer with over 5 years of forensic engineering expertise, specializing in structural analysis and damage assessment. Delivered expert reports for legal cases and insurance claims by effectively managing multiple projects. Exceptional communication and analytical abilities coupled with an aptitude for collaboration across various stakeholders. Aiming to provide timely solutions to intricate engineering challenges while ensuring client satisfaction through meticulous attention to detail and a deep understanding of compliance protocols. Passionate about applying extensive knowledge to further enhance project outcomes.

EXPERIENCE

Civil Engineer

Forensic Engineering Solutions 📅 January 2021 – Present 📍 Indianapolis, IN

Role involves executing comprehensive investigations into structural failures for both residential and commercial properties. Expertise rooted in generating expert reports that inform litigation and insurance claims. Collaboration with multidisciplinary teams ensures accurate analysis and innovative solutions for diverse engineering problems. Participation requires managing multiple complex contracts, enhancing service quality for clients.

- Conduct thorough investigations of property failures, successfully identifying causes and rationalizing recommended changes.
- Prepare detailed documentation highlighting findings, often utilized as pivotal evidence in legal proceedings.
- Collaborate within teams to tackle advanced engineering issues, finding effective remedial measures to restore integrity.
- Optimize budget management, ensuring timelines are adhered to while maintaining high-quality deliverables for all clients.
- Employ sophisticated engineering software for analytics and report compilation that boosts operational efficiency.
- Engage various stakeholders, translating technical jargon into accessible information, thus enhancing client relations.

Project Engineer

Structural Analysis Corp 📅 June 2018 – December 2020 📍 Carmel, IN

Involved in managing several investigation projects focusing on construction defects. Oversaw project lifecycles which allowed identification of critical issues while fostering positive client interactions. The role demanded refinement of existing processes to include stakeholder engagement.

- Led forensic investigations analyzing construction defects, identifying core discrepancies improving outcomes for clientele.
- Executed well-defined project plans, ensuring projects complied stringently with engineering standards and regulations.
- Conducted field analyses gathering key data essential in substantiating findings through research-driven results.
- Mentored aspiring engineers providing insight into forensic practices and project lifecycle accountability.
- Adapted reporting methodologies utilizing new analysis tools, leading to faster turnaround times.
- Maintained strong relationships with clients, ensuring open lines of communication resulting in repeat business.

Junior Engineer

Engineering Innovations 📅 July 2016 – May 2018 📍 Bloomington, IN

Introduced to foundational aspects of forensic engineering, supporting senior engineers in practice. Focused on research and data capture during investigations, aiming to understand precursor strategies better.

- Participated in critical site inspections documenting condition using qualitative and quantitative methods.
- Contributed data collection efforts aiding in the preparation of professional testimony succeeding in legal obligations.
- Engaged actively in team discussions clarifying scope requirements and helping achieve synchronized approach to assignments.
- Kept pertinent project records duly updated in compliance with regulatory expectations.
- Expanded practical skills and industry knowledge through rigorous training initiatives by experienced professionals.

LEADERSHIP & AWARDS

- Dean's List, Purdue University (2014-2016)
- Best Project Award from Engineering Innovations (2017)

EDUCATION

Bachelor's Degree in Civil Engineering

Purdue University 🎓 GPA: 3.8 📅 2016 📍 West Lafayette, IN

Coursework: Structural Engineering, Geotechnical Engineering, Hydraulics, Environmental Engineering

CERTIFICATIONS

- Professional Engineer (P.E.) 📅 2021

TECHNICAL SKILLS

- **Engineering Tools:** AutoCAD, Revit, SketchUp
- **Analysis Software:** MATLAB, SAP2000, RISA
- **Reporting Tools:** MS Word, MS Excel, PowerPoint
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Project Management Software:** Trello, Asana, Primavera
- **Technical Standards:** ASTM, ACI, ISO
- **Compliance Protocols:** OSHA, EPA, NEC
- **Field Investigation Techniques:** Geotechnical Assessments, Non-Destructive Testing, Load Testing
- **Quality Assurance Processes:** Peer Reviews, Inspections, Compliance Checks
- **Financial Analysis Tools:** QuickBooks, Tableau, ACCPAC

SKILLS

- Forensic Engineering
- Structural Analysis
- Project Management
- Report Writing
- Microsoft Office
- Engineering Design Software
- Client Engagement
- Data Analysis
- Problem Solving
- Field Inspections
- Regulatory Compliance
- Construction Quality Control
- Technical Reporting
- Safety Protocols
- Documentation Management

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Indiana Society of Professional Engineers (INSPE)

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST