



MICHAEL ANDERSON

Forensic Seismic Engineer

Detail-oriented Seismic Engineer with a robust background in forensic engineering and damage assessment. Over 9 years of experience in evaluating structural failures due to seismic events and providing expert testimony in legal cases. Proficient in using forensic analysis tools to investigate and document structural damage. Strong ability to communicate findings to diverse audiences, including legal teams and clients.

CONTACT

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- San Francisco, CA

EDUCATION

Master of Science in Structural Engineering

University of Illinois
Urbana-Champaign

SKILLS

- Forensic Engineering
- Damage Assessment
- Structural Analysis
- Expert Testimony
- Community Education
- Technical Reporting

LANGUAGES

- English
- Spanish
- French

WORK EXPERIENCE

Forensic Seismic Engineer

2020-2023

Investigative Engineering Services

- Conducted forensic investigations of earthquake-damaged structures to determine failure causes.
- Utilized advanced forensic tools and software to analyze structural integrity post-seismic events.
- Prepared comprehensive reports for legal proceedings, providing expert testimony as needed.
- Collaborated with legal teams to support ongoing litigation related to structural failures.
- Engaged in community outreach to educate the public on earthquake preparedness and safety measures.
- Mentored junior engineers in forensic analysis techniques and best practices.

Structural Engineer

2019-2020

Safe Structures Corp.

- Assisted in the design and analysis of structures, focusing on seismic performance and compliance.
- Conducted damage assessments following seismic events and provided recommendations for repairs.
- Utilized modeling software to predict structural behavior under seismic loads.
- Collaborated with architects to enhance the seismic resilience of building designs.
- Participated in seismic safety workshops, promoting awareness within the engineering community.
- Prepared technical documentation for project proposals and assessments, ensuring clarity and compliance.

ACHIEVEMENTS

- Provided expert testimony in over 15 legal cases related to seismic damage assessments.
- Recognized for outstanding contributions to forensic engineering by the National Society of Professional Engineers in 2019.
- Developed a comprehensive guide on seismic damage assessment methodologies used by professionals nationwide.