

Senior Forensics Engineer – Job Description

About the Position:

Starling Madison Lofquist Inc. is a structural and forensic engineering firm located in Phoenix, Arizona who have been providing structural engineering services to the southwest United States for nearly 40 years. They provide design and consulting services for projects including commercial, industrial, and residential construction, as well as structural failure investigation and analysis. The continued and growing success of Starling Madison Lofquist Inc. is the result of a commitment to providing quality engineering services that exceed the expectations of their clients. If you're passionate about creating a meaningful impact to an already thriving team, they want to speak to you!

They are seeking a Senior Forensic Engineer to perform structural damage investigations to determine the cause and extent of damage to a building structure as a result of a vehicle impact, tree impact, fire, flood, foundation movement or change in the supported loads. The candidate will be responsible for identifying the extent of the damage, performing relevant calculations, and detailing the repairs required to restore the structural integrity of the structure. Projects may involve residential, commercial, and industrial types of construction with multiple building material types including masonry, wood, concrete and steel.

You Will:

- Provide structural damage assessments and repairs for tree and vehicle impacts, fire and water restoration, and broken/cut roof trusses.
- Provide expert forensic analysis to clients on an array of multi-disciplined engineering projects, with an unbiased and honest conclusion.
- Write technical reports providing detailed and accurate information on completed projects.
- Consistently communicate and document your communication with clients to provide timelines and updates.
- Provide excellent customer service to the company's internal and external customers.
- Conduct special structural inspections including concrete, masonry, structural steel, and various special cases, such as drilled piers and post-installed anchors.
- Design and engineer a variety of projects, including but not limited to residential remodel (masonry, concrete, steel, aluminum, and wood), commercial/industrial structures, and solar structures.
- Support other project managers and engineers with their projects as needed.
- Present progress and status updates, integrating feedback from key stakeholders as needed.
- Communicate with clients, vendors, and other stakeholders to ensure that company quality of work is maintained.
- Seek opportunities to strengthen existing client relationships and develop new client relationships.
- Learn and adhere to company policies and standards, using appropriate checklists to ensure quality and consistency.

You Are:

- Seeking to join a small and close-knit team dedicated to delivering high quality projects through collaboration, communication, and constant improvement.
- An assertive and driven professional who knows how to solve problems and move projects forward while overcoming obstacles.
- Someone who can manage their time to ensure your project is on time and on budget.
- A reliable communicator who proactively keeps the client (and other team consultants as needed) appropriately informed and updated of the project status.

What You Bring to the Team:

- Bachelor's degree in Civil, Mechanical, Structural Engineering or related engineering discipline.
- PE License as an active Professional Engineer (P.E.) in the state of Arizona or have an active NCEES record or be eligible to obtain within 6 months of employment.
- 5 or more years' experience in forensics engineering, failure analysis and/or field inspections.
- Have a valid driver's license with an acceptable driving record.
- Strong computer skills a plus including experience with AutoCAD, MathCAD, Excel, and RISA
- Strong technical writing skills with experience using Microsoft Word in addition to general computer skills such as using Microsoft Calendar, Outlook, etc.
- Experience working on multiple projects while prioritizing effectively, managing competing expectations, and meeting deadlines.
- Impeccable attention to detail and delivery of high-quality, error-free work in a fast-paced environment.
- Strong sense of ownership and accountability.
- Excellent communication and interpersonal skills.
- Effective working independently with minimal supervision, while interacting well with others.
- Superior customer service skills, be team oriented and enjoy service-oriented work.

Physical Requirements:

This role requires time spent outside the office gathering information from the field such as: photographs, measurements and performing condition assessments. Approximately 50% of the hours worked will be spent outside the office performing tasks in the greater Phoenix valley. Therefore, we believe the ideal candidate will be able to perform these physical tasks:

- Frequently required to stand on one's feet for prolonged periods of time.
- Frequently required to lift and/or move objects weighing up to 40 LBS.
- Frequently required to climb onto first and second story roofs, ascend/descend ladders, stairs, scaffolding, ramps, etc.
- Frequently required to balance, stoop, kneel, crouch or crawl.
- Frequently required to reach with arms and hands.
- Frequently required to use hands to finger, handle or feel.
- Frequently required to drive a vehicle for extended periods of time.

What The Company Brings to You:

- An opportunity to play a significant role in the community restoring properties back to their original condition and getting families and business back in their homes or offices.
- Growth, development, learning, and advancement opportunities.
- A flexible environment where your voice, thoughts, and ideas are valued and heard.
- Licensing and continuing education opportunities paid for by SML.
- Professional development and external training.
- Excellent benefits (company-paid and voluntary): Health / Dental / Vision / 401(k) with 3% No Matching Requirement / Paid Time Off / Paid Life Insurance, long-term and short-term disability!
- 8.5 paid holidays
- 15 days of PTO/Sick Leave, 20 days after 5 years and 25 days after 10 years

Target Comp Range:

\$110,000 - \$140,000 base salary depending on experience.

About The Company:

Starling Madison Lofquist Inc. is a structural and forensic engineering firm located in Phoenix, Arizona. They have been providing structural engineering services to the southwest United States for nearly 40 years. As a widely diversified engineering firm of 10 licensed professional engineers (3 SE), 2 EIT's, and a very experienced design, drafting, and support staff they provide design and consulting services for projects including commercial, industrial, and residential construction and structural failure investigation and analysis. The continued and growing success of Starling Madison Lofquist Inc. is the result of a commitment to providing quality engineering services that exceed the expectations of their clients.

They believe in and encourage their team to bring their authentic selves to work to strengthen the company as a whole. They're dedicated to creating an inclusive workplace - one that values and promotes diversity and fosters an empowered workforce—allowing all employees to succeed in their jobs.

They are committed to equal employment opportunity and value the unique contributions that you can bring in terms of your education, opinions, culture, ethnicity, race, sex, gender identity and expression, nation of origin, age, languages spoken, veteran's status, color, religion, disability, sexual orientation, and beliefs.

Want to hear more?

If you're interested in applying for the position, we would love to get in touch with you! Send us an email or give us a phone call so we can talk more about this opportunity!

Please contact us using the information below:

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