

Career Opportunity: Geo-Structural Engineer

GMU Engineers and Geologists
www.GMUgeo.com
September 2025



Company Overview

Founded in 1967, GMU Engineers and Geologists (GMU) has built a nearly 60-year legacy as a trusted consultant on some of Southern California's most complex and high-profile projects. Our reputation for technical excellence and practical solutions spans a broad range of services, including Geotechnical Engineering, Structural Engineering, Pavement Engineering, Construction Management, Geotechnical Instrumentation, Laboratory Testing, and Forensic Consulting. Our history includes iconic Southern California projects such as the mass grading and development of master-planned communities like Rancho Mission Viejo, Ladera Ranch, and Rancho Santa Margarita; high-rise office towers for the Irvine Company that shape the Orange County skyline at Irvine Spectrum and Fashion Island; major infrastructure such as Los Patrones Parkway and La Pata; custom homes along the coast line; and pavement improvement projects across numerous cities throughout Orange County and beyond.

Located in Rancho Santa Margarita, Orange County, GMU offers a collaborative work environment where team members engage in diverse, rewarding projects with room to grow. We offer opportunities for professional development, hands-on experience, and meaningful contributions to infrastructure that supports our communities.

Major Responsibilities

GMU is seeking a Geo-Structural Engineer to join our growing Structural Engineering Department. Our structural projects span a wide spectrum, ranging from public infrastructure to private development. Typical designs include slope stabilization systems with caissons and grade beams, retaining walls of nearly all types (masonry cantilevered, tie-back, gravity, and MSE), docks and waterfront structures, and signature site features such as large-scale signage and park amenities. This range of work allows our engineers to combine geotechnical expertise with structural design to deliver practical, efficient solutions for cities, HOAs, private developers, and design professionals. Responsibilities will include the following:

- **Plan Review & Site Assessment**
 - Interpret grading, foundation, and retaining wall plans and draw cross sections
 - Determine the most effective wall/structure solution for each site
- **Structural Calculations and Designs**
 - Analyze structural and foundation loads and demands
 - Evaluate member and foundation capacities
 - Develop cost-efficient, code-compliant designs
- **Plans and Submittals**
 - Prepare detailed structural plans in AutoCAD
 - Compile complete calculation, specifications, and plan packages for submittal to reviewing authorities

Minimum Requirements

- **Education:** Bachelor of Science in Civil Engineering with coursework or demonstrated interest in Geotechnical or Structural Engineering
- **Experience:** 0 to 5 years of relevant experience
- **Certification:** Passed Engineer in Training (EIT), with goal of obtaining PE license

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- **Communication and Organization:** Strong written, verbal, and interpersonal communication skills, with keen attention to detail and effective time management.
- **Software Skills:** Proficient in design and drafting software such as Enercalc, AutoCAD, RISA-3D, LPILE, MSEW
- **Professional Attributes:** Self-driven with a strong interest in structural engineering and continuous professional growth. Demonstrates initiative, attention to detail, and the ability to deliver high-quality work independently and within a team.

Preferred Qualifications

- Master of Science in Geotechnical or Structural Engineering
- California Professional Engineer (PE) for higher-qualified candidates
- 5+ years of relevant Geo-Structural design and drafting experience
- Project management experience, design, and construction oversight

Compensation and Benefits Package

The base salary range for this position is \$75,000 – 100,000 annually, depending on qualifications, experience, and role level. In addition to base pay, GMU offers a comprehensive benefits package that includes 401(k) with employer matching and profit-sharing contributions, an annual performance-based profit-sharing bonus, paid holidays, medical, dental, vision, and life insurance, as well as support for professional development, including training, certifications, and continuing education.

How to Apply: Please submit your resume to info@gmugeo.com.