



Structural Engineer I

Summary/Objective

QuakeWrap is an environment where creativity, based on sound structural engineering principles, is required. We design fiber reinforced polymer (FRP) material to strengthen reinforced concrete, steel, masonry and timber structures including buildings, bridges, piers, piles, retaining walls, pipes, penstocks, culverts and tunnels. We have a global project base. You will use your creative abilities combined with your in-depth understanding of structural engineering principles to design FRP solutions to strengthen structures. FRP design training will be provided on the job. This position will report to the Senior Engineer.

Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Perform analysis and design of structures subjected to gravity and lateral loads
- Perform strengthening of structural elements with FRP materials
- Develop design drawings and/or specifications in compliance with applicable codes and regulations
- Assemble construction documents integrating both QuakeWrap designs and information obtained from client/owner interaction
- Develop design solutions based on reports of structural failures, damages, and defects through written and photographic documents, and by site visit and investigation
- Provide reports detailing investigations and assessment of structures

Competencies

- MS Office: Word, Excel, Outlook, PowerPoint
- Computer Aided Design (CAD)
- FEA Software (preferably ETABS)
- Codes/Standards: ACI, AISC, ASCE7, IBC, ASTM

Supervisory Responsibility

This position does not require any supervisory responsibilities.

Work Environment

This job operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, scanners, filing cabinets and fax machines.



The performance of this position may occasionally require exposure to the R&D laboratory, which may require the use of personal protective equipment such as mandatory safety glasses with side shields and hearing protection.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee may be required to lift less than 50lbs. The employee is frequently required to stand, walk, kneel, bend, use hands to finger, handle or feel; and reach with hands and arms, extended periods of sitting and concentration, finger and wrist dexterity required.

Position Type/Expected Hours of Work

This is a full-time position. Days and hours of work are Monday through Friday from 8am to 5pm with some flexibility.

Travel

Less than 10% travel may be required.

Required Education and Experience

- Bachelor of Science (BS) in Structural Engineering
- At least 3 years of experience working in a design engineering office
- Experience designing reinforced concrete and steel
- Experience with designing masonry and wood (preferred but not required)

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

Contact Information

Please submit your cover letter, resume, and college transcripts to Laura Farias, HR and Payroll Manager.

Email: hr@quakewrap.com