



bioMASON
building with nature

bioMASON Inc.
February 2019

Geotechnical Engineer Job Description

Posting

Job: Geotechnical Engineer
Location: Research Triangle Park, NC
Start Date: Immediately

bioMASON is a unique biotechnology start-up manufacturing company with a natural process that will revolutionize the building and construction industry. bioMASON employs microorganisms and chemical processes to manufacture biological cement-based masonry building materials in ambient temperatures.

bioMASON is dedicated to finding talented, multi-faceted, hard-working, and passionate people to join our innovative team. We are a young start-up seeking to make a massive impact on carbon emissions. bioMASON believes in a fast-paced, creative working environment that fosters collaboration and innovation unhindered by traditional boundaries.

bioMASON is seeking a Geotechnical Engineer. This is a Full-time Associate position, responsible for leading development projects for the use of bioMASON technologies in novel infrastructural applications. This position reports to the Principal Investigator.

Minimum Qualifications:

- Master's Degree or higher in Civil Engineering, Geotechnical Engineering, or a related field of study.
- Previous work in a research and development environment.
- Experience in technical writing, reporting, and milestone-driven applications research.

Responsibilities, Tasks and Outcomes:

- Project management for contract research related to biocementation applications using bioMASON's technologies.
- Responsible for authoring regular technical reports and supporting documentation.
- Coordinates with the CTO and project PIs for maintaining and executing a testing and development agenda.
- Collects, analyzes, and documents data and proposes strategies for continued process development and execution.
- Implements existing, modified, and new material testing strategies for characterizing and tracking process material performance.

- Coordinates with internal and external resources to satisfy project requirements and achieve project goals.

Required Skills and Interests:

- Technical expertise and interest in applied engineering and/or material systems and processes.
- Demonstrates strong data collection, records management, and analysis skills.
- Demonstrable understanding of soil engineering, fluid dynamics, and/or granular particle characterization.
- Understanding of structural performance characteristics of cementitious materials.
- Proven effective management experience
- Ability to work with a small team under tight deadlines.

The Candidate Must Be:

- Highly organized and possess excellent attention to detail
- Creative, flexible, proactive, punctual, persistent
- A team player
- Able to self-manage
- Comfortable with a demanding, fast-paced work environment
- An excellent communicator.

bioMASON Employees Must Possess:

- Professionalism
- Integrity and Honesty
- Passion and Motivation
- Analytical Skills
- Intelligence and Aptitude
- Productivity

Must have reliable transportation to the RTP/ Raleigh area.

Please send your resume and **fully completed application** to jobs@biomason.com with the heading "Geotechnical Engineer".

The bioMASON Career application may be found on bioMASON's website, under the "Career" tab http://biomason.com/wp-content/uploads/2015/12/bioMASON_Application-1.pdf

bioMASON Inc. takes affirmative actions as an equal opportunity employer to attract, promote, and retain the most fully qualified candidates without regard to race, creed, religion, color, citizenship status, national origin, sex, age, sexual orientation, predisposing genetic characteristics, genetic information, marital status, status as a domestic violence victim, arrest record, disability, military status, disabled veteran, recently separated veteran, Armed Forces Service Medal veteran, other protected veteran or other characteristic as protected by law.

EOE M/F/D/V