https://mrce.com/job/entry-level-geotechnical-engineer-new-york-ny/

Description

Entry Level Geotechnical Engineer

Employment Type
Full time

Experience
Entry Level

Location
New York, NY

Date posted
November 9, 2023

Mueser Rutledge Consulting Engineers (MRCE) is looking to hire entry-level geotechnical engineers that are looking for an opportunity to start and grow their career with a leading engineering consulting company in New York City. Be a part of a team working on the most dynamic and challenging building projects in the US.

An entry level geotechnical engineer is asked to apply their academic training to support MRCE projects in many ways. A primary responsibility is definition of subsurface conditions through inspection of test borings and test pits, performing field tests, and interfacing with the MRCE in-house soil mechanics laboratory to define materials and design parameters. Entry level geotechnical engineers are asked to define subsurface conditions, prepare data exhibits, and perform a variety of analysis tasks. This experience develops geotechnical skills and is fundamental to career growth. In addition, geotechnical engineers are expected to obtain experience with construction means and methods by performing construction inspection services.

MRCE projects expose geotechnical engineers to a broad range of geotechnical challenges, present an opportunity to learn from experienced peers, and meet challenges of responsible engineering roles. MRCE will combine your academic training with engineering responsibility to give you solid engineering experience and mature technical skills. This is a unique opportunity to grow in your career with an accomplished engineering team. These experiences provide a full understanding of high-tech design and real-world construction requirements.

Essential Functions

- Define subsurface conditions by working with the MRCE Soil Mechanics Laboratory to develop parameters for modeling and design, the subsurface profile, and geologic setting.
- Inspect test borings and test pits, obtain samples for laboratory testing, perform field testing, and document test results.
- Interpret test data to define subsurface conditions and design parameters.
- Perform special inspections of excavation support structures, underpinning, and new foundation construction.
- Prepare inspection reports for construction approval and Code compliance.
- Practice safe work habits.
- Perform a variety of analytical tasks such as developing earth loads, analysis of stability and estimate consolidation settlement. Prepare technical memoranda documenting analysis methods and providing analysis findings.
- Review field instrumentation data to monitor changes with time and construction progress.

Required Qualifications

What is needed to be hired.

- Education: Master’s degree in geotechnical engineering from an ABET/EAC accredited program.
- Experience: 0-2 years’ experience in a similar role.
- Required Licensure or Certification: Engineer in Training.
- Proof of COVID vaccination.

Typical Physical Demands and Work Environment

The physical demands described herein are representative of those that must be met by an employee to successfully perform the essential functions of this position. Reasonable accommodations may be made to enable individuals with disabilities to

perform the functions.

- Navigate jobsite/field environment as well as office environment.
- Remain either stationary for extended periods of time (for instance, in a chair or vehicle), as well as move often (for instance, walking through a job site), depending on project needs.
- Lift and carry equipment (up to 50 lbs).
- Position self in a stooping, kneeling, or crouching manner as well as climb ladders and stairs, for reading instruments.
- Navigate uneven ground and footing conditions (for example, soil /gravel/ mud footing, riprap and slopes, rugged terrain).
- Work in varying weather conditions (for example, cold, hot, rain, snow).
- Wear gloves, use hands, handle or feel objects, tools, machinery and computers.
- Communicate with others; exchange information accurately.
- Operate a computer.
- Operate specialized equipment and instruments.
- Work in varying noise levels in the construction work environment.

Workplace Location Requirements

- Work in office and/or field on a long term, daily, or rotational basis.

Travel Requirements

- Travel locally by car or public transportation,
- Travel long-distance involving train or air travel for extended stays.

About MRCE

Mueser Rutledge Consulting Engineers (MRCE) is a leading engineering consultant specializing in geotechnical studies, design of excavation support systems, waterfront structures, and foundations. MRCE is based in New York City and has a branch offices in Washington DC and Philadelphia, PA. MRCE has extensive experience with complex geotechnical conditions and specialized geotechnical construction methods. Engineers, architects, developers, contractors, lawyers, and public agencies regularly utilize MRCE expertise to define geotechnical issues and provide compatible designs for efficient construction. MRCE services extend well beyond the geotechnical site definition role to include complete foundation and excavation designs, contract drawings, instrumentation, and construction inspection services.

The firm offers competitive salaries, overtime pay, paid holidays, vacation and sick leave, medical benefits, life insurance, TransitChek commuter benefit, a 401(k) plan, and other benefit options to full time employees. MRCE is committed to providing equal employment opportunity for all qualified persons. MRCE is committed to providing equal employment opportunity for all qualified persons.

Contacts

Send resumes to:
MRCE, Attn: Elyssa Bray, Human Resources
14 Penn Plaza, 225 West 34th Street, 6th Floor
New York, NY 10122
Email: hr@mrce.com