

Rey Burdine

GEOTECHNICAL ENGINEER

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reyburdine

Kingsport, TN

SKILLS

Geotechnical Engineering Expert

Soil Mechanics Expert

Rock Mechanics Expert

Foundation Design Expert

Slope Stability Analysis Expert

Geotechnical Site Investigation Expert

Ground Improvement Techniques Expert

Seismic Analysis Expert

LANGUAGES

- Spanish (B1)

PROFESSIONAL SUMMARY

Motivated and detail-oriented geotechnical engineer with expertise in soil mechanics, foundation design, and site investigation. Experienced in managing geotechnical projects from conception to completion, ensuring compliance with industry standards and specifications.

EXPERIENCE

2021 - Now

Geotechnical Engineer

Kingsport Geotechnical Associates / Kingsport, TN

- Lead geotechnical engineer for a variety of projects, including residential and commercial developments, transportation infrastructure, and environmental remediation projects.
- Conducted thorough geotechnical investigations, including soil borings, laboratory testing, and groundwater analysis.
- Performed comprehensive slope stability analyses, bearing capacity calculations, and settlement predictions using industry-standard geotechnical software such as PLAXIS and GeoStudio.

2019 - 2021

Junior Geotechnical Engineer

Smith Engineering Consultants / Knoxville, TN

- Assisted senior engineers in conducting field investigations and laboratory testing to characterize soil properties and determine geotechnical parameters for various projects.
- Prepared comprehensive geotechnical reports, including boring logs, laboratory test results, and engineering analyses, to support foundation design and construction activities.
- Conducted settlement monitoring and slope stability assessments during construction phases, providing recommendations to mitigate risks and ensure project safety.

EDUCATION

2019 - 2021

Master of Science in Geotechnical Engineering

University of Tennessee / Knoxville, TN

2015 - 2019

Bachelor of Science in Civil Engineering

University of Tennessee / Knoxville, TN