

Vacancy – Data Engineer

We are looking for a Data Engineer based out of our UK (Bristol) Office. This position will suit someone with an interest in bringing all the elements of data management, geology, and IT together. Geoquip Marine is a leading offshore Geotechnical site investigation company. We specialise in safely delivering reliable data for the design of marine structures and for scientific exploration worldwide.

There are some very aspirational growth plans so this is a really great time to be joining. We are committed to providing our employees a stable work environment with equal opportunities for learning as well as personal growth and we encourage creativity and innovation. Great importance is also placed on maintaining the health, safety and welfare of employees.

Job Summary

Geoquip Marine deals with a large quantity of engineering geology data gathered during site investigation for offshore windfarms. The data team helps quality control, organise and interrogate this data using various software packages and by developing in-house tools, written primarily in VBA and Python. The Data Engineer will assist the Data Manager in maintaining existing tools, and by pushing the boundaries of our current capabilities with cutting edge techniques and practices. They will also serve as a primary contact within the Data Team for one or more geotechnical projects, managing geotechnical, laboratory and GIS data, manipulating data where needed, and instructing Data Clerks and Processors. They will be involved in the development of tools to help improve the workflow and capability of either the Geotechnical team or the Data Management team. They will keep up with advances in geotechnical and data-driven techniques and will be able to see how these new techniques could be applied to the current workflow. They will be a highly adaptable member of the team, able to take up any of the tasks of the data processing team and, ideally, onshore geotechnical engineer tasks where needed.

Functions and duties

The duties assigned to the Geotechnical Data Engineer are varied, but will include:

- Managing the flow of data within one or more projects and serving as a point of contact for engineers and managers of those projects.
- Managing external access to data associated with the projects under their responsibility.
- Instructing data clerks and processors regarding the projects under their responsibility.
- Creation of geotechnical analysis, scheduling and processing tools in Excel, Python, or another suitable language or software package.
- Maintenance of existing tools, written in VBA and Python.
- Using and managing GIS data in QGIS and ArcGIS, including production of ArcOnline maps (or similar), producing GIS deliverables for projects, and producing GIS products for internal or external use.
- Introducing new, innovative and cutting-edge techniques such as software packages, novel geotechnical analyses or machine learning.
- Perform any tasks of the data clerks and processors where necessary, which includes data entry, processing and checking results, importing/exporting results to gINT, making report templates in gINT, and distribution of data to the geotechnical team.
- Perform tasks of onshore geotechnical engineers where necessary, and after being given suitable instruction dependent on the candidate.

- Helping to develop the skill-set of the data team and other colleagues by mentoring and skill-transfer in various aspects of the role - including data handling, excel macro coding, and python coding.

Qualifications and Experience

- Bachelor's degree in Computer Science or data-driven field, or Science, Geography, Geology, or Civil Engineering, with a strong data science interest.
- Good knowledge of data processing techniques including using Excel, developing VBA macros, and/or manipulation of data with Python or similar languages.
- An appreciation for how good data management, tool development and novel techniques can streamline the geotechnical workflow.

We offer a competitive salary and benefits dependant on experience.

Ready to take on a new challenge in an international offshore company? Apply for the position you are interested in by sending us your resume and cover letter to careers@geoquip-marine.com with the vacancy title as your reference.