



Job Opening

Job Title	Data Scientist
Job Types	Full-time, Permanent
Location	Sci-tech Daresbury, Liverpool
Working Hours	9-5 Monday to Friday
Reports to	Technical Director
Remuneration	Market rate + Bonus + Share Option (qualification required)

Application Closing date: 31 July 2023

Job Description

Robotiz3d is a fast-growing start-up working on revolutionising the road maintenance sector through a combination of robotics, data analytics and artificial intelligence. We build advanced detection and repair systems embedded in autonomous robotic platforms to address the expanding need for automated road maintenance. In addition to reducing risks to maintenance crews, time and cost of repair, our bespoke AI platform can also predict road conditions, thus facilitating the advancement from reactive to preventative road maintenance.

We are looking for a Data Scientist to expand our team and lead on the development of our AI stack! We will rely on you to build AI pipelines and data products to extract valuable information from the data collected by our systems.

If you are passionate about programming, robotics, autonomous systems, data and engineering, and have a desire to work in a fast-paced start-up environment, send us your CV. We would love to hear from you.

Role description

The Data Scientist will contribute to the development of AI/ML-driven software for the Company products, working under the direction of and reporting directly to the Technical Director. This includes, but not limited to, the development of AI model architecture, development of tools to collect and pre-process data, development of post-processing and visualisation tools for internal use and for our customers. It is expected that the Data Scientist will work closely with our Software Engineers and the hardware and mechatronics engineers to optimise and test hardware and software interactions, and consistently apply best practices.

Liaison with customers and other stakeholders are required to define requirements, specifications, review user feedback and aid development. Performance will be assessed based on the amount and quality of contribution to the launch of successful products. Proven work experience as a Data Scientist or similar roles, with an ability to develop AI/ML models in Python and C/C++, as well as the ability to document requirements and specifications are required.



In this role, you should be highly analytical with a knack for analysis, math and statistics. Critical thinking and problem-solving skills are essential for interpreting data. We also want to see a passion for AI, machine-learning and research.

Your goal will be to help our company develop AI-driven products to revolutionise road maintenance.

Requirements and skills

- Proven experience as a Data Scientist
- Understanding of AI, machine-learning and operations research
- Knowledge of Python and C++; familiarity with Rust and SQL is an asset
- Analytical mind and business acumen
- Strong math skills (e.g. statistics, algebra)
- Problem-solving aptitude
- Excellent communication and presentation skills
- BSc/MSc in Computer Science, Engineering or relevant field; graduate degree in AI and Machine Learning is preferred