Robotiz³d

Job Opening

Job Title	Robotics Engineer
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 now looking for a Robotics Engineer to expand our team and contribute to the development of our autonomous road maintenance vehicles! We will rely on you to develop robotics solutions for detecting and fixing all types of road defects with minimal or no human intervention.

If you are passionate about programming, robotics, autonomous systems, electronics 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 Robotics Engineer will contribute to the development of the Company autonomous road maintenance platforms throughout their life cycles, working under the direction of and reporting directly to the Technical Director. This includes, but not limited to, the selection of the main components, mechatronics components and algorithms for the Company's products etc. It is expected that the Robotics Engineer will work closely with hardware, software 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 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 Robotics Engineer or similar roles, with an ability to develop and integrate autonomous platforms, as well as the ability to document requirements and specifications are required. Experience with autonomous vehicles, control systems, artificial intelligence and machine learning are desired.

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In this role, you should be highly hands on, with the passion for the latest trends in robotic technologies. Critical thinking and problem-solving skills are essential for developing innovative robotic solutions for road maintenance.

Your goal will be to help our company develop autonomous robotic products to revolutionise road maintenance.

Requirements and skills

- Proven experience as a Robotics Engineer (or similar roles)
- Understanding of robotic architectures, design and integration processes
- Knowledge of Python and C++; familiarity with ROS/ROS2 is an asset
- Analytical mind and business acumen
- Problem-solving aptitude
- Excellent communication and presentation skills
- BSc/BEng/MSc in Mechatronics, Mechanical, Electrical Engineering or relevant field; graduate degree in Robotics is preferred