

Robotics Engineer

Location: Oxford, U.K

About us

Latent Logic (www.latentlogic.com) is a dynamic deep tech start-up recently spun out from Oxford University. Our mission is to use state-of-the-art A.I. to learn complex human behaviours from real demonstrations, such as video data, so that we can design autonomous systems which can work collaboratively alongside humans. Our first market is self-driving cars, where we build virtual humans for the simulators used to test and train autonomous vehicles.

We closed our seed round in February 2018 and are looking for motivated, collaborative people to join our growing team and help us achieve our mission.

The Role

We are looking for a Robotics Engineer to reinforce our team and contribute to the development of our autonomous systems. You will work directly with our CTO, and develop control, navigation and decision-making algorithms.

What we'll ask from you:

- Passion for autonomous systems;
- A desire for excellence in real-world, practical applications;
- Use of software development best practices to promote modularity and flexibility;
- Commitment to developing strong working relationships with the wider team, and investment in building trust through open communication

As part of a growing start-up, your role will be diverse and fast paced.

Share options may be available to reward this commitment to the long-term development of the company and your role in our future success.

Your Experience

You should have formal education (MSc or PhD) in Mobile Robotics, particularly in the following topics:

- Navigation – including local control, obstacle avoidance, and path planning
- Sensor fusion
- Signal processing
- Control Theory
- Discrete Event Systems, particularly with application in behavioural abstraction for robotics

As well as experience with:

- Python
- Software development in a Linux environment
- Git
- (Optionally) ROS

Previous experience in autonomous vehicles is not required.

We have a diverse team and international candidates are welcomed.

Our Values

Successful candidates will share our values and help to role-model them. This means we look for people who are:

Frank and open: you prefer straight-forward communications. You believe that open but empathetic communication is the key to building trust and successful relationships. You have the courage to ask for help when you need it.

Collaborative and practical: you want to have an impact on the world through translating state-of-the-art research to software that addresses real-world challenges. You like solving problems in teams, and are happy to help with practical, short-term tasks to get the job done. You want to build high-quality code that lasts, so you appreciate the importance of software engineering best practices and you welcome supervision from the team's senior software developers to that end.

Pioneering and intellectually-curious: our mission is to extend the state-of-the-art in our fields of computer vision and imitation learning – which means coming up with new and evolving solutions to hard research questions that no-one's answered before. You are energised by challenges like these and having the opportunity to own and build something new.

Open-minded: you try to take an objective approach to cracking real-world problems. You like forming your own opinion and proposing and explaining your own point of view, but you also take time to understand where other people are coming from, and believe you can learn from them, even if you don't immediately agree with them