

Machine Learning Engineer – Imitation Learning

The Role

We are looking for a Machine Learning Engineer to join our Imitation Learning team. You will report into the Research Scientists leading the Imitation Learning team, and work closely with the rest of this team to deploy state-of-the-art methods to practical problems on the topics of agent modelling using imitation learning.

What we'll ask from you:

- Passion for the understanding the underlying research questions and approaches, demonstrating an ownership mentality towards finding new solutions to crack the problem at hand;
- Timely and high-quality deployment of proposed research approaches;
- Drive to keep up to date with the state-of-the-art in Imitation Learning, Reinforcement Learning, and the wider field of machine learning;
- Commitment to the use of software development best practices to promote modularity and flexibility and to developing your skills in this area;
- Focus on developing strong working relationships with the wider team, and investment in building trust through open communication

We offer an open-minded, diverse and non-hierarchical culture where your ideas are valued and you can work alongside leading experts, in a fast-paced start-up environment where you are close to the action and can make a real impact on our culture, strategy and IP.

We may offer share options so you can share the future success of our growing company.

Your Experience

We are looking for candidates with a MSC in Computer Sciences or Machine Learning (or a related field) and who:

- Are familiar with the theoretical fundamentals of reinforcement learning and/or decision theory, ideally being aware of state-of-the-art methods in those topics;
- Have implemented deep learning methods in practice, and can demonstrate the respective implementations;
- Are confident with Python, and you have an understanding of deep learning software libraries such as Tensorflow or Pytorch;
- Have some experience using Linux for software development;
- (Optionally) have had some experience of collaborative software development.

Direct experience in autonomous cars is not required. We have a diverse team and international candidates are welcomed.

Your Values

Successful candidates will share our values and help us to foster them. This means we look for candidates who are:

Honest 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 through translating state-of-the-art research to software that addresses real-world challenges. You like solving problems in teams and are happy to pitch in to help another member of the team or one of our customers.

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

Start Date: January 2019 (or earlier by agreement). **Location:** Oxford, U.K.