Research Associate Position in LLM and/or Reinforcement Learning

One Research Associate post is open, in large language model (LLM) and/or reinforcement learning, working with Fengxiang He and Lukasz Szpruch, at the University of Edinburgh and the Alan Turing Institute.

Your skills and attributes for success:

- A PhD degree in computer science, mathematics, statistics, or other similar areas, or equivalent work experience
- Excellent track record in LLMs and/or reinforcement learning, evidenced by publications in top venues, such as ICML, ICLR, and NeurIPS
- Excellent vision in research in LLMs and/or reinforcement learning
- Good communication skills

Contact

Applicants are highly encouraged to contact Fengxiang He at F.He@ed.ac.uk with CV and transcripts.

Environment

The University of Edinburgh is constantly ranked amongst the world's top universities and is a highly international environment. The School of Informatics is one of the largest in Europe and currently the top Informatics institute in the UK for research power. The School is exceptionally strong in the area of AI and Theoretical Computer Science.

The Alan Turing Institute is the UK's national institute for data science and artificial intelligence. Named in honour of Alan Turing, the Institute is a place for inspiring, exciting work and we need passionate, sharp, and innovative people who want to use their skills to contribute to our mission to make great leaps in data science and AI research to change the world for the better.

Supervisors

Fengxiang He is a Lecturer at the School of Informatics, University of Edinburgh. His research interest is in trustworthy AI, particularly deep learning theory, decentralised learning, privacy and fairness in machine learning, symmetry in machine learning, algorithmic game theory, and their applications in economics and finance. He is an Area Chair of ICML, NeurIPS, UAI, AISTATS, and ECAI.

Lukasz Szpruch is a Professor at the School of Mathematics, University of Edinburgh, and the Programme Director for Finance and Economics at the Alan Turing Institute. At Turing, he's providing academic leadership for partnerships with the National Office for Statistics, Accenture, Bill and Melinda Gates Foundation and HSBC. He's the Principal Investigator of the research programme FAIR on responsible adoption of AI in the financial services industry. He's also a co-Investigator of the UK Centre for Greening Finance & Investment (CGFI). He's also an affiliated member of the Oxford-Man Institute for Quantitative Finance.

Lukasz's broad research interests span probability theory, stochastic analysis and theoretical machine learning. He is currently researching on the mathematical foundation of deep learning, mean-field models, (inverse) reinforcement learning, game theory and multiagent sysmtems, sampling and optimisation algorithms, computational optimal transport, and the theory of gradient flows. He is also interested in applications of these areas in finance and economics.