Joseph Trevorrow

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EDUCATION

PhD Interactive Artificial Intelligence, University Of Bristol — Sept 2023 - Sept 2027

Supervisors: Dr. Nirav Ajmeri (Dept. of Computer Science), Dr. Emanuele Ratti (Dept. of Philosophy).
Provisional Thesis Title: "Value Aligned Multi-Agent Systems for Representative Decision Making".
MRes Equivalent Training Year: Applied Data Science, Computational Logic, Human Computer Interaction (HCI), Natural Language processing (NLP), Responsible AI, and Uncertainty.
Research Interests: Multi-Agent Systems (MAS), Value Alignment, Civic AI, Socio-technical Systems, Computational Ethics, AI and Public/Industrial Policy.

BSc Hons. Computer Science First Class, University of Liverpool, — Sept 2020 - Jun 2023

Key Modules: High Performance Computing, Multi-Agent Systems, Vision.
Focus: Multi-Agent Reinforcement Learning, AI.

Pre-18: Harington School, Uppingham Community College — Sept 2013 - Jun 2020

3 A Levels between A* and A, 11 GCSEs between grades 9-6.

EXPERIENCE

Demonstrator, University Of Bristol — Sept 2025 - Dec 2025

Supporting 3rd year undergraduates studying Prolog, Genetic Algorithms and MAS in the module COMS30014 - Artificial Intelligence

Editor, The Inclusive Research Collective — Mar 2024 - May 2024

- Provided guidance and edits to the "Inclusive Research Toolkit", which aims to promote Equality, Diversity and Inclusion (EDI) in research and development.
- Worked as part of a team of cross-disciplinary editors to understand requirements for EDI in different fields of research. This resulted in more focused pages and accurate case studies for engineering researchers.

Programmer, ALT Group — June 2023 - Sept 2023

- Programmer in a small business ($\sim$ 3 employees) developing relevant AI applications for business technology (LeanIX).
- Gave guidance and decision making expertise when considering relevant Large Language Models (LLMs) during product planning phase using rapid prototyping.
- Gained significant insight into the needs of industry, from small businesses to enterprise systems, to give a full rounded perspective of business technology.

PUBLICATIONS

Joseph Trevorrow, Nirav Ajmeri (2025). "Hierarchical Consensus Value Aggregation for Decision Support". In: *Value Engineering in Artificial Intelligence.* Cham: Springer Nature Switzerland.

SKILLS

Expertise: Multi-Agent Systems, Reinforcement Learning, Ethics & Responsible AI, Rapid Prototyping, Analytical Skills, Technical Writing, Communication, Problem Solving, Python