

# Rosco Hunter

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## PROFESSIONAL COLLABORATIONS

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### ERA Cambridge: AI Safety Jul. 2024 – Oct. 2024

- Awarded a Technical Governance Research Fellowship, hosted at the University of Cambridge
- Designed a test to identify whether an organisation's employees are over-reliant on AI assistance [\[paper\]](#)

### Abacus.AI Jan. 2024 – Mar. 2024

- Produced a literature review, analysing the arithmetic capabilities of large language models (LLMs)
- Designed experiments to understand and improve the arithmetic capabilities of open-source LLMs

### Samsung Cambridge AI Lab Oct. 2022 – Dec. 2023

- Developed an industry-leading method to improve the accuracy of image classification [\[paper\]](#)
- Designed a novel sampling procedure for running text-to-image foundation models [\[paper\]](#)

### Oxford Centre for Computational Neuroscience Jun. 2021 – Sep. 2022

- Assisted Prof. Edmund Rolls in developing a causal model of the human connectome
- Acknowledged in seven publications that appeared in Cerebral Cortex and Neuroimage

## ACADEMIC BACKGROUND

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### University of Warwick Oct. 2019 – Present

*PhD Candidate in Machine Learning (2022-Present)*

- Researching algorithms that automate the AI product pipeline—Supervised by Prof. Hongkai Wen
- Awarded ‘Best Paper’ at the International Conference on Automated Machine Learning (Berlin, 2023)

*BSc Mathematics (2019-2022)*

- First Class Degree (85.0%) receiving a first in all 25 assessed modules (*top 5% of cohort*)
- Key Modules: Mathematics of Machine Learning; Mathematical Biology; Neural Computing; Bifurcations & Symmetries; Modelling & Numerics; Measure Theory; Applied Dynamical Systems; Advanced Linear Algebra

### Secondary Education Oct. 2015 – Jul. 2019

- A-levels: 4 A\*s in Mathematics, Further Mathematics, Physics, Psychology
- GCSEs: 10 A\*s with a distinction in Further Mathematics

## TEACHING AND SPEAKING

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### Graduate Teaching Assistant

- Seminar Tutor for the Mathematics of Machine Learning (University of Warwick, 2024)
- Supervisor for first-year Mathematics students (University of Warwick, 2023)

### Public Speaking

- Monitoring Human Dependence On AI Systems With Reliance Drills (King’s College Cambridge, 2024)
- Exploiting Network Compressibility and Topology in Zero-Cost NAS (Hasso Plattner Institute, 2023) [\[view\]](#)