Jack Hogan

https://jackhogan.net

Work Experience

Jan 2024–Sep 2025 | **Founding AI Research Scientist**, Agemo AI, London (https://www.agemo.ai)
Designing and implementing end-to-end LLM training pipelines (data curation, fine-tuning, RLHF, evaluation), scaling experimentation from local hardware to H100 clusters. Secured François Chollet as a scientific advisor based on our novel AI reasoning research on the ARC-AGI challenge.

Apr 2020–Mar 2022 | **CEO and Co-founder**, Shoji Ltd, London (https://www.shoji.ai)
Paused my PhD (with support from Innovate UK) to build Shoji, a software platform for privacy-preserving machine learning. As CEO, successfully raised £1.5m in seed funding from a leading tech VC and prominent angel investors from Amazon, Apple and Spotify.

Oct 2020–Mar 2021 | **EF LD15 Cohort Member**, Entrepreneur First, London
EF, the UK's leading tech accelerator programme, brings together the most ambitious individuals and provides the coaching and support to found impactful companies. Secured pre-seed investment in Shoji from EF, as well as follow-on investment in our seed round.

Jan–March 2019 | **Statistical Consultant**, The Alan Turing Institute and Rolls Royce, London
Contracted by the ATI to investigate the influence of air contaminants on jet engine performance. Developed a Bayesian hierarchical model for engine degradation using Apache Spark and Python. Based on this work, £850k of funding was secured for the long-term continuation of the project.

Education

Oct 2017–Jul 2023 | **PhD in Statistics**, Imperial College London, UK
Thesis: "Novel Methods for Multi-view Learning with Applications in Cyber Security".
Developed machine learning methods for maximising information capture from multi-modal datasets, with an emphasis on applications in enterprise cyber-security.
Supervised by Prof. Niall Adams; funding provided by a scholarship from QinetiQ Group plc.

Oct 2015–Sep 2016 | **MSc in Statistics**, Imperial College London, UK
Subjects included Computational Statistics, Machine Learning, Statistical Methods for Big Data.
Thesis: "Duckworth Lewis is Just Not Cricket: Devising a Fairer Method for Adjusting Target Scores in Interrupted One-Day International Cricket"

Sep 2011–May 2015 | **B.A. in Mathematics and Economics**, Trinity College Dublin, Ireland
First Class Honours (73%)

Sep 2005–May 2011 | **Leaving Certificate Examination**, Christian Brothers College, Cork, Ireland
590/600 points (top 0.6% nationally)

Publications

Hogan, J. and Adams, N., (under revision). Multi-view generalised kernel machines for regression, classification and outlier detection, *Journal of Machine Learning Research*.

Hogan, J. and Adams, N., 2023. On averaging ROC curves, *Transactions on Machine Learning Research*.

Hogan, J. and Adams, N., 2018. A study of data fusion for predicting novel activity in enterprise cyber-security, *IEEE International Conference on Intelligence and Security Informatics (ISI)*, pp. 37–42.

Hogan, J., Cohen, E. and Adams, N., 2017. Devising a fairer method for adjusting target scores in interrupted one-day international cricket. *Electronic Journal of Applied Statistical Analysis*, **10**(3), pp. 745–758.

Achievements

2020 Awarded £80k Innovate UK grant to commercialise PhD research
2017 Awarded QinetiQ scholarship for PhD research
2011 Awarded Trinity College Dublin entrance exhibition scholarship
2011 Achieved 1st place at Team Maths National Championships, Ireland
2011 Awarded gold medal for top result in Cork in Leaving Certificate Applied Mathematics

Personal Profile

Computer Skills: Python (`pytorch`, `transformers/trl`, `deepspeed`), SLURM, Git, Unix, Vim, LaTeX
Languages: English (Native Speaker), French (Basic)
Hobbies: Sailing, skiing, tennis, reading, pizza making, travelling