

Aengus Lynch

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Aynescombe Cottage, Thames Bank, London, SW14 7QR

EDUCATION

University College London - MSci Mathematics	September 2017 - July 2021
<ul style="list-style-type: none">• First class honours• Master's project: <i>Computations and Analysis on Fluid Flow Through a Flexible Channel</i> (Python) supervised by Prof Frank Smith (first class honours),	
King's College London Maths School	September 2015 - July 2017
A-Levels: Maths (A*), Further Maths (A*), Physics (A), AS Economics (A)	
<ul style="list-style-type: none">• Recipient of Economics epistemic prize in 2016	
The London Oratory School	September 2005 - July 2015
GCSEs: 3 A*s, 9 As	

WORK & LEADERSHIP EXPERIENCE

PhD student, Foundational Artificial Intelligence CDT at UCL	September 2021 - Present
<ul style="list-style-type: none">• 4 year PhD studying under the supervision of Prof Ricardo Silva• Research:<ul style="list-style-type: none">• <i>Causal Machine Learning: A Survey and Open Problems</i> (2022)• <i>Evaluating the Impact of Geometric and Statistical Skews on Out-Of-Distribution Generalization Performance</i> (NeurIPS 2022 Workshops: CML4Impact, DistShift)• <i>Towards Automatic Circuit Discovery for Mechanistic Interpretability</i> (NeurIPS 2023 Spotlight)• <i>Spawrious: A Benchmark for Fine Control of Spurious Correlation Biases</i> (under submission)	
Scholar, MATS	4 January 2024 - 16 March 2024
<ul style="list-style-type: none">• ML Alignment Research program, mentored by Stephen Caspar• Published to arxiv: <i>Eight Methods to Evaluate Robust Unlearning in LLMs</i>• Working on projects in i) Latent Adversarial Training for unlearning and robustness and ii) mech interp	
Intern, REMIX, Redwood Research	2 January 2023 - 27 January 2023
<ul style="list-style-type: none">• Based in Berkeley, CA working on REMIX program for mechanistic interpretability• Began work on the project <i>Towards Automatic Circuit Discovery for Mechanistic Interpretability</i>	
AI Consultant, Focal Therapy Clinic	March 2023 - Present
<ul style="list-style-type: none">• Building a bespoke chatbot for handling user queries	
AI Consultant, ChangeBlock	January 2022 - April 2022
<ul style="list-style-type: none">• Advised on data science one day per week	
Rates Trading Summer Analyst, JP Morgan	6 July - 7 August 2020
<ul style="list-style-type: none">• Internship with UK rates trading desk, focused on UK index-linked gilts and associated products• Tasked with daily news summaries, trade simulations and submitting three trade ideas• Research project analysing historic price data around gilt auctions	
Associate, UCL Bloomsbury Capital	October 2019 - July 2021
<ul style="list-style-type: none">• Associate for UCL's real money investment fund• Weekly stock pitch meetings analysing companies quantitatively (eg. DCFs) and qualitatively• Managed a team of 4 analysts in my fourth year and presented three stock pitches	
Sponsorship Director, UCL AI Society	June 2018 - April 2019
<ul style="list-style-type: none">• Taught a 3 week beginners Python course	
Maths Tutor.	January 2017 - September 2022
<ul style="list-style-type: none">• Two students per week• Teach GCSE, A level, and university level maths, and programming	

SKILLS, ACTIVITIES & INTERESTS

Programming

- Python, PyTorch