

OSCAR MOXON

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EDUCATION

2023 – Present	MSc. in Artificial Intelligence, King's College London , UK	(1:1)
	<ul style="list-style-type: none">Modules: <i>Pattern Recognition and Deep Learning, Data Mining, Agents and Multi-Agent Systems, AI Planning, Computer Vision, Optimisation Methods, Machine Learning</i>	
2020 – 2023	BSc. in Economics and Management Sciences, University of Southampton , UK	First Class 1:1
	Recipient of Dean's Award 2022 & 2023 for Outstanding Attainment	
	<ul style="list-style-type: none">Modules: <i>Applied Macroeconomics, Risk Management, Industrial Economics, International Trade, Development Economics, Mathematics for Economics</i>	

ACHIEVEMENTS

Global Top 10 Portfolio (of 980 teams), Bloomberg Trading Challenge (BTC)	Autumn 2022
(x2) Deans Award for Outstanding Attainment	Academic Yr. 2020 - 2023
3-Day-Startup, Barclays Eagle Labs: Winner	Winter 2021 & 2022
ECSS Pico Hackathon: Overall Winner	Summer 2022
Anthropic Hackathon: Nominated 2023	Winter 2023

RELEVANT EXPERIENCE

Software Engineer, Bselected , London	May 2023 – Present
<ul style="list-style-type: none">Developed full-stack software for automated CV processing and deployed Docker app through Azure Cloud.Enabled 5-10x reduction in labour required to process a CV, with a 20% quality improvement using LLM tooling.	
Innovative Technology Intern, BAE Systems , London	Easter 2023
<ul style="list-style-type: none">Researched internal systems and developed proposal for centralised data infrastructure to improve decision making latency.	
Research Student, QuantX , Southampton UK	May – Nov 2022
<ul style="list-style-type: none">Automated manual intraday trading through volatility analysis. Developed a program to rank indicator performance on time-series data and generate heatmaps for promising strategies. Culminated in Bloomberg Challenge Top 10 finish.	
Summer Intern, Level39 Accelerator , London	Summer 2022
<ul style="list-style-type: none">Involved in onboarding investors and startups. Shadowed data scientists in early-stage AI ventures, learning to implement recommenders with PyTorch. Organized discussions with founders in the fintech incubator.	
Summer Placement, Canary Wharf Group , London	Summer 2018-22
<ul style="list-style-type: none">Worked under board of directors incl. Head Architect and President Sir Iacobescu. Performed legal skyscraper "break-ins" to test security measures with Estate CyberSecurity Team. Produced reports for CFO on M&A and contributed to architectural projects.	

RESEARCH

"Multi-Agent Debate Simulation," Research Thesis	
Advisor – Dr. Yulan He (Turing Institute)	
<ul style="list-style-type: none">Developing a multi-agent language system to augment the capability of collective agent swarms.Exploring the limitations of language agents to promote novel scientific research and inquiry argumentation dialogues.	
O. J. Moxon, <i>"The Threat of Automation: An Economic Perspective," Dissertation Literature Review, Mar 16, 2023.</i> [Online] .	
<ul style="list-style-type: none">Performed an assessment of methods of predicting economic impact of Machine Learning on Full Automation of Labour.Proposed a general model for evaluating 'risk of automation' to furnish policymakers with more precise tools for navigating the capital benefits of technological change, ensuring equitable and effective redistribution strategies. 87%.	

SKILLS

Programming	Fluency: Python Familiarity: C++, JavaScript, HTML, CSS, SQL, Svelte Python, STATA
Tools	Git, LaTeX, Scikit-Learn, Matplotlib, Pandas, NumPy, fastAI, PyTorch, Keras, MATLAB, OpenCV, XGBoost, Kaggle, Jupyter, TensorBoard, HuggingFace Transformers, FastAPI, Flask, Weka, React, Docker
Mathematics	Statistics, Calculus, Linear Algebra, Game Theory, Coding Theory, Statistical Learning, Optimisation Methods
Algorithmics	Various Search and Ranking Strategies (Greedy, Heuristic, Genetic Algorithms, A* and WA* Search, Recommenders). Learning methods (SVM, Random Forest, Classification, Regression, Clustering, PCA, Boosting, Confusion Matrices).
Models	Transformer Models, Generative Adversarial Networks, Policy Iteration and Q-Learning, RNNs, CNNs.