**OSCAR MOXON**

# [Github Logo - Free social media icons MRMOXON](https://github.com/mrmoxon) [| A black background with a black square Description automatically generated with medium confidence oscar@oscarmoxon.com](mailto:oscar@oscarmoxon.com) | A blue and black logo Description automatically generated [Oscar Moxon](https://www.linkedin.com/in/oscarmoxon/) | +447780447951

EDUCATION

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| 2023 – Present | MSc. in Artificial Intelligence, **King’s College London**, UK   * Modules*: Pattern Recognition and Deep Learning, Data Mining, Agents and Multi-Agent Systems, AI Planning, Computer Vision, Optimisation Methods, Machine Learning* | (1:1) |
| 2020 – 2023 | BSc. in Economics and Management Sciences, **University of** **Southampton**, UK  Recipient of Dean’s Award 2022 & 2023 for Outstanding Attainment   * Modules: *Applied Macroeconomics, Risk Management, Industrial Economics, International Trade, Development Economics, Mathematics for Economics* | First Class 1:1 |

ACHIEVEMENTS

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

RELEVANT EXPERIENCE

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| *Lead Developer*, **Bselected,** London | *May 2023 – Present* | |
| * Developing human-on-loop software for automated CV processing and deployed full-stack 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* | |
| * Researched internal systems and developed proposal for centralised data infrastructure to improve decision making latency. | | |
| *Research Student*, **QuantX,** Southampton UK | | *May – Nov 2022* |
| * 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* | |
| * 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* | |
| * 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. | | |
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RESEARCH

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| “Multi-Agent Debate Simulation,” **Research Thesis**  Advisor – Dr. Yulan He (Turing Institute)   * 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, “*The Threat of Automation: An Economic Perspective,” Dissertation Literature Review, Mar 16, 2023*. [[Online](https://medium.com/@oscarmoxon/the-threat-of-automation-an-economic-perspective-fd26f716b5db)].   * 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

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| **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, Hugging Face Transformers, Weka |
| **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, Eval and Validate). |
| **Models** | Transformer Models, Generative Adversarial Networks, Policy Iteration and Q-Learning, RNNs, CNNs. |