

EXPERIENCE

Rokos Capital Management — Lead, Core AI Team (joined as Technology Analyst) Sep 2025 – Present

- Lead the firm's core AI team, setting how a \$20B AUM hedge fund puts AI to work across investing and operations.
- Built an agentic trading system used by the firm's founder and equity PMs to adjust billions in exposure.
- Rebuilt the firm's internal data layer to be AI-first. Anyone from PMs to HR can now build and deploy their own applications using Claude.
- Built a thematic search agent that surfaces consensus and non-consensus views from firm and public data, now built on across the firm via MCP, API and chat.
- Built a meeting analysis agent that highlights diverging insights and how views develop over time.
- Built a migration agent that moves legacy Python dashboards to React, and agents that automate assessment review.
- Automated data validation that flags and corrects anomalies, saving 4 hours a week per team member.

Maia Cares — Founder Mar 2025 – Sep 2025

- Founded a social care business after working directly with social workers and nurses to find the problem worth solving.
- Built and shipped the product myself. 120+ social workers and nurses used it to improve their case notes.
- Ran pilot conversations with Heads of Service at local authorities and with the Chief Social Worker at the Department for Education.

Scope — Founding Engineer May 2025 – Jun 2025

- Took ownership of the company's largest account, an RBI project worth 50% of ARR (~£300k) that had stalled for 9 months.
- Rebuilt the product around inspectors' real workflow and delivered the first successful customer use within 3 weeks.
- Automated client onboarding, cutting it from weeks to minutes.

Google DeepMind — Research Engineer Intern, Vision Jul 2024 – Aug 2024

- Owned an end-to-end ML pipeline forecasting typhoon imagery and pressure with video foundation models (DINOv2, VideoPrism, V-JEPA), from dataset onboarding to fine-tuning in JAX and TensorFlow.
- Adapted RGB-trained models to infrared satellite imagery, beating the benchmark by 30%.

Inspire Maths Tuition — Founder Sep 2018 – Sep 2024

- Founded a tutoring company and ran it alongside A-levels and an Imperial MEng.
- Grew it to six figures in revenue and a team of 10 tutors that I hired, trained and managed.
- Ran distribution myself: millions of views on TikTok.
- Moved the business online during the pandemic on a platform I built. 100% of students beat their exam targets.

J.P. Morgan — Software Engineering Intern, Equities Prime Finance Apr 2023 – Sep 2023

- Built the Python data APIs behind a visualisation app traders use daily.
- Made KDB writes 718% faster by migrating the data API and designing a port-selection algorithm.
- Ran clustering analysis on datasets of millions of rows. Rebuilt automation scripts that the whole equities division adopted.

Improbable — Software Engineer Intern, Defence Jun 2022 – Sep 2022

- Integrated a civilian population model into a military decision-making simulator, modelling the effects of power outages and bombing on migration and casualties (Python, Kubernetes).
- Redesigned the integration setup, saving each engineer a week on every future integration.

EDUCATION

Imperial College London — MEng Computing, First Class 2020 – 2024

Deep Learning, NLP, Reinforcement Learning, Computer Vision, Distributed Ledgers, Finance

Brampton Manor Academy — A-levels: Maths, Further Maths, Computer Science, Physics (A*A*A*A*) 2018 – 2020

SELECTED PROJECTS

- Suitify**: professional photo generation app. Four-figure revenue in month 1.
- Multi-asset stablecoin with verifiable reserves**: designed and built a stablecoin pegged to a basket of traditional and alternative assets, with reserves anyone can verify through TLSNotary garbled circuits (Rust, Solidity on Polygon, React, Flask).
- 3D snooker reconstruction**: turned single-camera footage into 3D ball tracking, potted-ball detection and alternate-shot modelling with YOLO, OpenCV and a custom tracker.

SHORT PROGRAMMES

- G-Research Spring into Quant week, 1st place in trading challenge (2022)
- Jane Street insight week (2021)