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Graham Ellinson

DATA SCIENTIST · TRADING · AI · DEFI

Advanced ML · deep RL · ANN/CNN · LSTM

Trading · hedging · execution

DeFi · smart contracts · tokenization

Production AI agents

AI adoption & enablement

— HOW I DRIVE AI ADOPTION

Embed → build → automate → hand over. I'm a Data Scientist who builds production AI and quant models for a live trading desk — deep reinforcement learning, neural networks and LSTM, on-chain DeFi, and LLM agents — then I **sit with the non-technical teams who use them**, build the tool around their real workflow, automate the manual grind, and teach them to run, validate and extend it with AI. The work multiplies across the team instead of creating a dependency on me.

— EXPERIENCE

Data Scientist — eToro

2020 - Present

Trading Department · Tel Aviv, Israel

- ▶ **Built and shipped an AI reconciliation platform** that explains multi-billion-dollar daily position breaks across multiple liquidity providers in seconds — embedding with the operations team, automating their manual work, then teaching them to run and extend the agent themselves.
- ▶ **Shipped a daily hedge-cost reporting agent** across every asset-class book, with automated anomaly detection and failsafe safeguards; handed it over so the desk now owns and updates it.
- ▶ **Built on-chain DeFi systems** — tokenizing assets via mint & burn and writing Solidity smart contracts, including liquidation bots engineered to resist MEV and sandwich attacks.
- ▶ **Built advanced ML for the desk:** deep-RL portfolio construction (higher revenue, lower latency), Random Forest & LSTM hedging models that cut trading costs, an A/B-tested neural-net churn model, and GARCH volatility/regime models on full L2 order-book data.
- ▶ **Created the eToro Trading Academy** — a live 21-course full-stack platform (FastAPI + React on Databricks Apps) with an embedded Execution Lab and AI tutor; **led a team of five analysts** during a maternity-leave period and migrated processes to Azure Databricks.

Data Analyst — Explorium

Apr 2019 - Aug 2019

Tel Aviv, Israel · data enrichment & ML feature engineering (AWS)

Data Analyst — I Know First

Oct 2018 - Apr 2019

Tel Aviv, Israel · ML back-testing for algorithmic portfolio management

EDUCATION

MSc Artificial Intelligence (Distinction)

University of Bath · 2021 - 2023

BSc Mathematics (First Class Hons)

Northumbria University · 2016 - 2020

LANGUAGES

English — Native

Hebrew — Working proficiency

French — Conversational

VOLUNTEERING

Mathematics Tutor

Action Tutoring · 2018-2020

Mentor

African Refugee Development Centre · 2018-2019