Jevan Cousins

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PROFILE

Data scientist with a quantitative foundation in Physics and Mathematics from UCL. At Allianz Global Investors, I engineered performance attribution models and 20+ automated reports using Python, SQL and Power BI, delivering £25,000 savings per report and £15,000 annually in maintenance. Experienced in ML, statistical modelling, and turning complex datasets into actionable insights.

SKILLS

Languages: Python, SQL, R, MATLAB, VBA, LaTeX

Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, SciPy, Statsmodels

Tools: Jupyter, Databricks, Power BI, Azure, Git, Bloomberg, Docker, MLflow

Certifications: DataCamp Data Science Professional; LIBF Level 6 Diploma in Trading (Distinction)

EXPERIENCE

Allianz Global Investors — Jun 2022 – Present
Solution Architect — London, UK

- Engineered custom performance attribution models, workflows and 20+ reports using Python, SQL and Power BI with data from MSCI BarraOne and Databricks, saving £25,000 per report and £15,000 annually in maintenance
- Led technical implementation of MSCI BarraOne system for all global Fixed Income teams and decommissioning of 3 legacy systems, completing a project previously attempted twice over 7 years
- Managed cross-functional team of 9 analysts and external SMEs to deliver BarraOne performance attribution migration with seamless system integration
- Automated 4/4 data reconciliation processes for portfolio management vs custodian data using SQL and VBA, reducing external spend by £200,000+ pa
- Developed Power BI dashboard for quarterly UK Board reporting on retail client activity for consumer duty regulation
- Pioneered AI adoption including chatbot trained on company data and computer vision modules for document automation
- Identified 50+ AI/ML use cases across operations and directed training workstream to upskill 200+ senior managers
- Reviewed vendor proposals worth £3M+ for AI implementations, assessing architecture quality and ROI

NF Capital — Oct 2020 – May 2022
Head of Fixed Income — London, UK

- Led team of 3 analysts producing quantitative research reports in Rates, Credit and FX for investment committee
- Developed quantitative frameworks for analysing fixed income market trends and investment opportunities

UCL Innovation Lab — Jun 2021 – Aug 2021
Machine Learning Intern — London, UK

- Developed ML-focused Python exercises applying supervised and unsupervised learning to interdisciplinary science
- Presented research findings to 200+ professors and peers with explanations tailored to diverse technical backgrounds

Amplify Trading — Aug 2020
Summer Intern — London, UK

- Built algorithmic trading strategy in Python using SMAs that outperformed S&P 500 buy-and-hold by 67%
- Ranked 2nd of 70+ interns with +23.4% annual return in equity portfolio management simulation
- Completed Level 6 Diploma in Trading and Financial Market Analysis with Distinction (LIBF)

EDUCATION

University College London — 2019 – 2022
BSc Natural Sciences (Physics, Mathematics & Statistics) – 2.1 — London, UK

Brighton, Hove & Sussex Sixth Form College — 2017 – 2019
A-Levels: Mathematics (A*), Further Mathematics (A), Chemistry (A) — Hove, UK

PROJECTS & INTERESTS

NutriPlan – AI meal planning app: GPT-4o generation, RAG pipeline with pgvector embeddings for semantic meal retrieval, preference learning from user feedback, UK-standard nutrition calculations (Henry/Oxford equations) (Python, FastAPI, SwiftUI)

Lineup – iOS concert tracking app with automated Python data pipeline aggregating 6 APIs (Ticketmaster, Spotify, Skiddle, Resident Advisor), cross-source artist deduplication using MusicBrainz IDs (Swift, Supabase, PostgreSQL)

Football (UCL 1st XI Captain), Chess (Top 1% globally), Personal Tutor (100% A* success rate)