

Jevan Cousins

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PROFILE

Software engineer with Physics and Mathematics background from UCL. Building two full-stack applications: Lineup (iOS concert tracking with Python data pipeline aggregating 6 APIs) and NutriPlan (AI meal planning with FastAPI backend, RAG pipeline, and SwiftUI frontend). At Allianz Global Investors, I engineered automated workflows and 20+ production reports using Python, SQL and Power BI, saving £500,000+ in costs.

EXPERIENCE

Allianz Global Investors

Solution Architect

Jun 2022 – Present

London, UK

- Engineered custom performance attribution models, workflows and 20+ production reports using Python, SQL and Power BI with data from MSCI BarraOne and Databricks, saving £25,000 per report in development and £15,000 annually in maintenance
- Led MSCI BarraOne implementation for all global Fixed Income teams and decommissioning of 3 legacy systems, completing project attempted twice over 7 years with seamless data migration
- Managed cross-functional team of 9 analysts and external SMEs to deliver BarraOne performance attribution migration, coordinating technical requirements across investment systems
- Pioneered AI tool adoption including chatbot trained on company data using RAG architecture and computer vision modules for document automation
- Designed and implemented low-code applications on Microsoft Power Platform, consulting with business units to identify automation opportunities and define solution architectures
- 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 integrating data from multiple sources including BarraOne, Databricks, and internal systems
- Reviewed vendor proposals worth £3M+ for AI implementations, assessing architecture quality and integration requirements

NF Capital

Head of Fixed Income

Oct 2020 – May 2022

London, UK

- Led team of 3 analysts producing research reports in Rates, Credit and FX for investment committee decisions

UCL Innovation Lab

Machine Learning Intern

Jun 2021 – Aug 2021

London, UK

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

Amplify Trading

Summer Intern

Aug 2020

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

SKILLS

Languages: Python, TypeScript, Swift, SQL, JavaScript, VBA, C++, HTML/CSS

Frameworks: FastAPI, SwiftUI, React, Node.js, Pandas, NumPy, Supabase SDK, LiteLLM

Tools: Git, Docker, Azure, Supabase, PostgreSQL, Railway, Render, JIRA, Jupyter, Power BI

EDUCATION

University College London

BSc Natural Sciences (Physics, Mathematics & Statistics) – 2.1

2019 – 2022

London, UK

Brighton, Hove & Sussex Sixth Form College

A-Levels: Mathematics (A*), Further Mathematics (A), Chemistry (A)

2017 – 2019

Hove, UK

PROJECTS & INTERESTS

Lineup – iOS concert tracking app with Python data pipeline aggregating 6 APIs (Ticketmaster, Spotify, Skiddle, Resident Advisor, MusicBrainz), cross-source artist deduplication, MVVM architecture with direct Supabase SDK integration (Swift, SwiftUI, PostgreSQL)

NutriPlan – AI meal planning: FastAPI backend with GPT-4o generation, RAG pipeline using pgvector for semantic meal retrieval, UK-standard nutrition calculations (Henry/Oxford equations), household meal coordination (Python, SwiftUI, PostgreSQL)

Football (UCL 1st XI Captain), Chess (Top 1% globally)