

# Jevan Cousins

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## PROFILE

ML practitioner with 4 years of experience deploying AI solutions at Allianz Global Investors. Built a RAG pipeline in Python for automated market outlook comparison, identified 50+ use cases for generative and agentic AI, and directed AI training for 200+ professionals. Currently building NutriPlan, an AI meal planning app using GPT-4o, RAG pipelines, and pgvector embeddings.

## SKILLS

**Programming:** Python, SQL, TensorFlow, Scikit-learn

**ML/AI:** LangChain, LlamaIndex, OpenAI API, Claude API, RAG Architectures, pgvector, Prompt Engineering

**AI Dev Tools:** Claude Code, Cursor, GitHub Copilot, MCP Servers, Agentic Workflows

**Tools:** Azure, Databricks, Git, Jupyter, FastAPI, PostgreSQL, Supabase, GitHub Actions

**Languages:** English (Native), French (Proficient)

## EXPERIENCE

### Allianz Global Investors

Aug 2022 – Present

*Solution Architect*

London, UK

- Pioneered the adoption of generative and agentic AI in Operations by identifying 50+ use cases across different teams with implementation roadmaps
- Evaluated AI vendor proposals worth £3M+ for AI agents and GenAI implementations, recommending a higher-value solution based on architecture quality and ROI analysis—recommendation accepted by senior leadership
- Directed AI training workstream for the AI in Operations initiative, hosting sessions with industry experts and consultants to upskill 200+ senior managers and operations professionals on AI strategy and applications
- Built a Power Platform guidance application with an AI chatbot (Copilot Studio) and developed 50+ Power Automate flows, saving €80,000 annually in external consulting fees
- 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
- Resolved performance bottlenecks in complex data transformations by migrating processing logic to Python, reducing execution time by 70%
- Managed cross-functional delivery for 10+ investment teams (100+ professionals), coordinating a team of 9 analysts and external SMEs
- Led the technical implementation of MSCI BarraOne for all global Fixed Income teams, automating reports, data imports, and custom attribution models via Python, SQL, and Databricks integration with the BarraOne Web API

### Allianz Global Investors

Jun 2022 – Aug 2022

*Investment Infrastructure Intern*

London, UK

- Automated all 4 data reconciliation processes between State Street custodian (IBOR) and legacy portfolio management system using SQL and VBA, removing the need for 4 external contractors and saving £200,000+ annually

### UCL Innovation Lab

Jun 2021 – Aug 2021

*Machine Learning Intern*

London, UK

- Developed ML-focused Python exercises applying supervised learning (classification, regression) and unsupervised learning (clustering) to interdisciplinary science problems, now integrated into the Natural Sciences curriculum and used by 560+ students
- 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

## EDUCATION

### University College London

Sep 2019 – Jun 2022

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

London, UK

Relevant coursework: Practical Machine Learning for Physicists, Linear Models & the Analysis of Variance

## PROJECTS & INTERESTS

**NutriPlan** – AI meal planning app: GPT-4o generation, RAG pipeline with pgvector embeddings, preference learning, UK-standard nutrition calculations (Python, FastAPI, SwiftUI)

**Lineup** – iOS concert tracking app with Python data pipeline aggregating 6 APIs, 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)