Jevan Cousins

jevan.cousins@gmail.com | linkedin.com/in/jevancousins | github.com/jevancousins

PROFILE

Software Engineer with 4 years of experience building production systems. Developing two full-stack applications: Lineup (iOS concert tracking with Python data pipeline aggregating 6 APIs) and NutriPlan (AI meal planning with FastAPI backend, GPT-4o, and RAG pipeline). At Allianz Global Investors, engineered automated workflows and 20+ production reports using Python, SQL, and Power BI, saving £500,000+ in costs. UCL Physics and Mathematics graduate.

EXPERIENCE

Allianz Global Investors   Aug 2022 – Present
Solution Architect   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 a project that failed twice over 7 years with automated data imports via Python and Databricks integration with BarraOne Web API
- Managed cross-functional delivery for 10+ investment teams (100+ professionals), coordinating a team of 9 analysts and external SMEs to migrate performance attribution, reducing report delivery from T+3 to T+1
- 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
- Resolved performance bottlenecks in complex Power BI data transformations by migrating processing logic to Python, reducing execution time by 70%
- Developed Power BI dashboard integrating data from BarraOne, Databricks, and internal systems for quarterly UK Board reporting on FCA Consumer Duty compliance

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

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

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

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 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

SKILLS

Languages: Python, TypeScript, Swift, SQL, JavaScript, HTML/CSS
Frameworks: FastAPI, SwiftUI, Pandas, NumPy, Supabase SDK, LangChain, LlamaIndex
Tools: Git, GitHub Actions, Azure, Supabase, PostgreSQL, Railway, Render, JIRA, Jupyter
AI Dev Tools: Claude Code, Cursor, GitHub Copilot

EDUCATION

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

Relevant coursework: Topics in Scientific Computing, Computing for Mathematical Physics, Practical Machine Learning for Physicists

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, Railway deployment (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)