

TAMARA ABU

London | tamaraabu4@gmail.com | tamaraabu4-cell.github.io/all-things-quant

EDUCATION

Aston University

2021 - 2026

BSc Business, Computing & IT - Grade: 2:1

Relevant modules: Business Analysis & Data Mining, Software for Analytics, Optimisation & Decision Analytics

- Built an end-to-end exploratory data analysis project in Python, covering data cleaning, missing values, visualisation, chi-square and t-tests, and linear regression.

Mill Hill County High School

2019 - 2021

A-Levels: Business (A), History (A), Psychology (B)

PROFESSIONAL EXPERIENCE

CST Technology - Freelance Junior Software Engineer

Sep 2026 - Present

- Built a Python tool that queries a third-party data provider's API for crypto asset records and wallet addresses for a UAE government client's crypto-regulation platform, replacing manual searches and saving ~3 hours a week.
- Integrated an AI chatbot (DeepSeek API, TypeScript) into two client platforms, the crypto-regulation system and a live Arabic-to-English transcription MVP, helping users organise and understand case information; added light/dark mode and refreshed the UI of both.
- Contributed to the transcription MVP within a 10-person engineering team; demoed to clients.
- Sole researcher evaluating 5 CRM platforms on cost and fit to the company brief; recommendations informed the CEO's decision to build an in-house CRM, which the team is now developing.

Inchcape - Regional Finance & Treasury Intern

Jun - Sep 2026

- Helped prepare a £1m GBP/USD forward trade on Bloomberg Terminal, analysing trade timing to hedge the company against adverse currency movements.
- Automated the monthly selection of 100 participants for the company-wide "CoffeeChats" scheme with Excel VBA macros, replacing a manual process that took an estimated 2-4 hours each month.
- Built and reviewed forecasts, valuations and cash-flow models presented to senior executives for the approx. £300m acquisition of a Bulgarian subsidiary, then supported post-acquisition integration.
- Validated and reconciled financial data across 10 European and African subsidiaries in SAP and BPC, resolving inconsistencies before group consolidation and month-end reporting.
- Helped develop Power BI dashboards defining and reporting KPIs for senior-management meetings.

Heritage Oil (UK) - Intern

Jun - Aug 2024

- Built project viability and cash-flow analysis for a live capital raise, contributing to the investment thesis.
- Presented project economics to high-net-worth investors as part of an upstream oil joint-venture pitch that raised \$18m; selected by the CEO to attend a strategic joint-venture meeting.
- Researched energy commodity markets, assessing how regulatory shifts and macro trends affect project viability.

PROJECTS

All Things Quant Website

Ongoing

- Designed, coded and deployed an interactive study site on GitHub Pages with embedded financial models and Chart.js visualisations, explaining technical topics from first principles.
- Published 30+ topics covering corporate finance, valuation, probability and statistics, and programming.

J.P. Morgan - Quantitative Research Job Simulation

Jul 2026

- Analysed a book of loans to estimate customers' probability of default.
- Used dynamic programming to bucket FICO scores into categorical ratings for predicting defaults.

SKILLS

- **Programming:** Python, TypeScript, SQL, Excel VBA
- **Data, APIs & AI:** REST API integration, LLM chatbot integration, exploratory data analysis, hypothesis testing, linear regression, Power BI, Chart.js, Git/GitHub
- **Finance & Markets:** FX forwards and hedging, credit risk (probability of default), cash-flow modelling, DCF valuation, forecasting, month-end reporting, commodities
- **Systems:** Bloomberg Terminal, SAP, BPC, Microsoft Office

ADDITIONAL INFORMATION

- **Part-time DJ:** performing at lounge and restaurant events
- Member of the **Aston Women in Business** Society: supporting the organisation of events focused on professional development, networking, and academic support for students