

Talha Jamal

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EDUCATION

2023 – Imperial College London

Present MSc. Risk Management and Financial Engineering

Financial Statistics, Advanced Financial Statistics, Stochastic Calculus, Advanced Options Theory, Market Microstructure: Trading and Liquidity, Computational Finance in C++, Financial Engineering

2017 – The University of Manchester

2020 B.Eng. Electrical and Electronic Engineering, First Class Honors

Numerical Analysis, Computer Systems Architecture, Digital Signal Processing, Control Systems, Data Networking, Engineering Maths, Mathematics 1E1, Mathematics 1E2, Mathematics 2E1

TECHNICAL SKILLS - GitHub Link: <https://github.com/talhajamal11>

◇ Python	◇ kdb+	◇ Batch Scripts	◇ Docker
◇ C++	◇ SQL	◇ PowerShell	◇ Jenkins
◇ R	◇ DBMS	◇ Version Control	◇ Linux

Personal Projects

- ◇ Backtesting Python Project – [Link](#).
- ◇ Visualizing Market Order Book using Python – [Link](#).
- ◇ Monte Carlo Sim in C++ - [Link](#).
- ◇ Market Data Database on kdb+ - [Link](#).
- ◇ Human Activity Recognition using Time Series Data with CNNs and LSTM RNNs – [Link](#).

WORK EXPERIENCE

2021 – S&P Global Market Intelligence

2023 Senior Specialist, Quantitative Analysis

- ◇ Knowledge Expert of ClariFI, a Quantitative Portfolio Management Platform provided by S&P.
- ◇ Quant Expert on the following workflows: Feature Generation, Factor Backtest, Event Study, Trade Simulation, Forecast Modelling, Portfolio Optimization and Portfolio Attribution.
- ◇ Quant Account Manager for 10 EMEA and US clients with a total ACV of \$956k.
- ◇ Writing custom Trading Scripts for clients using C++.
- ◇ Collaborating with clients to produce their Quantitative Research in ClariFI.
- ◇ Spearheaded the development of ClariFI's API by collaborating with Developers and writing scripts in Python to test and demonstrate the capabilities of the API to clients.
- ◇ Feature Generation using R and ClariFI's internal visual query language on fundamental, market and alternative data with Compustat, CIQ and IHS Markit Datasets.
- ◇ Created custom SQL queries to create attributes for ClariFI's Security Master using Compustat.
- ◇ Acting as a bridge between clients and the developer team by aligning product features with client requests and conducting UAT, helping me develop commercial acumen.

Interests and Achievements

- ◇ Passed CFA Level 1
- ◇ Reading books related to Mathematics, Statistics, Programming and Quantitative Finance.
- ◇ Talking about the books I read and the weekend projects I carry out at www.talhajamal.com

References available upon request.