**Talha** **Jamal**

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| * +92 (0)312-1952888 | * talhajamal11@gmail.com | * linkedin.com/in/talhajamal |

**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>

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| * 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](https://github.com/talhajamal11/Visualizing-an-Order-Book).
  + 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](https://github.com/talhajamal11/Human-Activity-Recognition-using-CNN-and-LSTM-RNN).

**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](http://www.talhajamal.com)

References available upon request.