

Talha Jamal

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WORK EXPERIENCE

2021-2023 Quantitative Specialist, S&P Global Market Intelligence

- ◇ Knowledge Expert of ClariFI, a Quantitative Research and Portfolio Management Product.
- ◇ Quantitative Consultant on Factor Backtesting, Algorithmic Trading, Forecast Modelling, Event Study, Portfolio Optimization, and Portfolio Attribution for 10 clients in North America & EMEA.
- ◇ Gained Research Experience in Feature Generation using R and ClariFI's visual query language by evaluating new datasets, such as Short Interest Data, following the S&P and IHS Markit merger.
- ◇ Developed Python Scripts to manipulate time-series and point-in-time data for visualization in Tableau, eliminating the need for an Alteryx subscription, resulting in cost savings of \$100k.
- ◇ Backtested proprietary momentum, mean reversion, and factor investing strategies for clients via custom C++ scripts, reducing runtime by 10% and streamlining month end portfolio rebalancing.
- ◇ Spearheaded the development and integration of ClariFI's API by collaborating with Developers, creating Interactive Notebooks, and effectively delivering API demos to a global client base.
- ◇ Automated tasks using Batch and PowerShell Scripts, enhancing team productivity by 5%.
- ◇ Led the development of a repository and version control system for API and automation related scripts, ensuring efficient organization, retrieval, and preservation of code.
- ◇ Facilitated communication between clients and the developers by aligning product features with client requests, resulting in a 100% renewal rate and \$960k ACV for clients on my book.

EDUCATION

2023 – 2024 Imperial College London

MSc. Risk Management and Financial Engineering

Advanced Financial Statistics, Machine Learning, Computational Finance, Portfolio Management
Stochastic Calculus, Advanced Options Theory, Financial Engineering, Data Structures & Algorithms

2017 – 2020 The University of Manchester

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

Mathematics 1E1, Mathematics 1E2, Mathematics 2E1, Numerical Analysis, Data Networking,
Signals & Systems, Control Systems, Digital System Design, Digital Signal Processing,
C Programming, Concurrent Systems, Computer Systems Architecture, Embedded Systems

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

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

Select Projects

- ◇ Human Activity Recognition using Time Series Data with CNNs and LSTM RNNs – [Link](#).
- ◇ Visualizing a Nasdaq Market Order Book using Python – [Link](#).
- ◇ Practicing Data Structure and Algorithm Exercises from Jay Wengrow's DSA Book – [Link](#).

Interests and Achievements

- ◇ Passed CFA Level 1, April 2022.
- ◇ Avid consumer of Mathematics, Statistics, and Machine Learning lectures from YouTube Channels such as 3blue1brown, Veritasium, and Stat Quest.
- ◇ Actively pursuing weight-lifting and high-intensity cardio workouts to stay fit and focused.

References are available upon request.