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 under my management.

EDUCATION

2023 – 2024 **Imperial College London**
MSc. Risk Management and Financial Engineering

Machine Learning, Financial Statistics, Advanced Financial Statistics, Computational Finance, 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

◊ Python	◊ kdb+	◊ Batch Scripts	◊ Databricks
◊ C++	◊ SQL	◊ PowerShell	◊ Google Cloud
◊ 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.
- ◊ Actively pursuing weight-lifting and high-intensity cardio workouts to stay fit and focused.
- ◊ Avid consumer of Mathematics, Statistics, and Machine Learning lectures from YouTube Channels such as 3blue1brown, Veritasium, and Stat Quest.

References are available upon request.