TRADING HUB

QUANTITATIVE ENGINEER

Occupational Areas: Financial Analytics, Banking & Investment, Technology, Data, Computer Science
Salary range: Competitive
Location: London (EC2) (closest station: Liverpool Street)

About TradingHub:

TradingHub is a rapidly expanding Financial Services Technology (FinTech) company. Recently the firm was given an award in recognition for our contribution to trade and investment by the Department for International Trade and the UK Board of Trade.

We build cutting edge, AI-assisted, trade analysis software for our clients which consist of banks, hedge funds, asset managers, and other financial services institutions. Our products are used by these organisations to detect financial crime and enhance business performance based on client's day to day trading data. These products include:

- Best execution analysis

- Trader performance profiling and enhancement

- Insider trading and market abuse detection

- Rogue trader detection

Our products are market leading in each category:

- Advanced analytics and machine learning algorithms allow us to perform statistically rigorous analysis on all asset classes in a unique way.

- We use in-house programming languages, optimised for fast and complex analysis of large trade volumes.

- All our tools have an intuitive user interface (built using in-house programming languages) that make it very easy for our clients to access our analysis.

We view ourselves as a disruptive FinTech company that is nimble enough to move fast, innovate quickly and provide a premium level of client service and support.

Summary of Role:

The Quant Team designs, builds, and validates the models used by TradingHub's tools. The areas of development range from modelling of broad market dynamics through to the detection of specific nefarious behaviour. An extensive set of mathematical and machine learning techniques are employed. Successful candidates will combine excellent mathematical skills with the ability to think creatively when presented with hard and novel problems. The role will attract applicants who are keen to apply their mathematical skills in a practical setting.

Key Responsibilities:
- Development of sophisticated pattern-detection algorithms to be utilised across all of TradingHub's product offerings.
- Research and development of broad models of market dynamics across multiple asset classes.
- Prototyping, testing, and validation of TradingHub's proprietary mathematical/statistical models.

- Implementation and optimisation of the core algorithms used by TradingHub to perform deep analysis of financial data.

Minimum requirements:
- Degree qualification in a numerate discipline such as Mathematics, Statistics, Physics, or Engineering.
- Evidence of exceptional mathematical and analytical skills.
- Demonstrated ability to complete high-level quantitative research.
- Experience with mathematical and statistical modelling, preferably in the context of financial markets.
- Proficiency in at least one prototyping language such as Python, R, or MATLAB; exposure to a production language such as C#, C++, or Java is a plus.

If this is of interest to you please send a covering letter and a cv to careers@tradinghub.com.

TradingHub is committed to providing equal opportunities and supporting diversity in employment. Diverse teams really are the best teams.