Blue Fire AI Limited - FinTech Programmer/Internship

The main tasks include crawling text sources, performing fundamental natural language processing tasks including word segmentation, named entity recognition and sentiment classification. Market prediction models will also be investigated. The successful candidate will increase BlueFireAI's capacity for understanding the China market using text mining and machine learning technology.

Required Skills

- Strong proficiency in Mandarin
- Undergraduate Degree in Computer Engineering, Statistics, Computer Science, Machine Learning, Applied Mathematics, Operations Research, Engineering, or similar quantitative field is a pre-requisite.

- Post-Graduate Degree (Masters/ Phd) in Natural Language Processing with strong foundations in bi-LSTM recurrent neural networks.
- Experience in applied statistics including sampling approaches, experiments, modeling, and data mining techniques.
- Experience building analytical models and working with structured and unstructured data sets.
- Practical ETL experience with Python
- Expertise with Big Data technologies like Elastic Search, Hadoop, HDF5, Kafka, Hive/Hbase.
- NoSQL technology (MongoDB, Cassandra, CouchBase) experience is a bonus
- Any Financial Markets knowledge id a bonus

Personality Traits

- Curiosity in research and solving new problems.
- Obsession with data and its accuracy.
- Innate curiosity to find commercial insights from large sets of noisy data.
- Ability to work independently under tight deadlines with accountability.
- Strong results driven personality with a high level of enthusiasm, energy and confidence.
- Strong problem-solving skills.
Responsibilities!
- Work closely with product teams and clients to identify and scope research topics.
- Ability to scale research findings through industrial grade engineering.
- Apply your expertise in survey design, quantitative analysis, and data mining to derive insights to show value or uncover missed opportunities

Technology Stack for the Application
Data Storage + Analytics: AWS/ Cloudera (on-Premise) Hadoop Ecosystem with MongoDB & Elastic Search on S3 or on Premise
Queueing System: RabbitMQ
Programming: Python
CDN: AWS or On Premise Routing

Please send the cv and application letter to Mr Wilfred Lin at Wilfred.lin@bluefireai.com.