

## **Tower Research Capital - Software Developer**

Tower Research Capital, a high-frequency proprietary trading firm founded in 1998, seeks an experienced Software Developer to join our Markets team in Shanghai, Hong Kong or Singapore. The Markets Division is responsible for providing Tower's trading strategies access to a wide and continually growing range of financial markets globally, including but not limited to providing access to new markets, developing cutting edge technical capabilities, ensuring optimal performance, and providing expert market intelligence.

### **Responsibilities**

- Designing and implementing a high-frequency trading platform, which includes collecting quotes and trades from and disseminating orders to exchanges around the world
- Optimizing this platform by using network and systems programming, as well as other advanced techniques to minimize latency
- Developing systems that provide easy access to historical market data and trading simulations
- Creating tools to analyze data for patterns
- Building risk-management and performance-tracking tools

### **Qualifications**

- A degree in computer science or a related field
- At least 3 years of experience with C++ development, preferably in a trading environment
- A strong background in data structures, algorithms, and object-oriented programming in C++
- Brilliant problem-solving abilities
- The ability to manage multiple tasks in a fast-paced environment
- Strong communication skills in English for business purposes
- Working knowledge of Linux
- Knowledge of any other development language, including Java, Python, or Perl and shell scripts (a plus)