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**Data Analyst (Research Support):**

Data analyst (Research Support) supports market data and trading model validation related requests from Research and Trading departments within the company. This is a technical supporting role. The perspective candidate will spend about 70% of time addressing requests regarding market data, trading model validation, and work with developers to enhance the related processes, while devote about 30% of time doing development (see details below).

**Key responsibilities:**

- Work with portfolio managers and researchers as 1st level support to address their questions regarding data sets and model validation process

- Monitor various trading model validation processes, perform troubleshooting and apply fixes or escalate to 2nd level support

- Regular maintenance on trading models, such as updating configuration parameters, upgrading and applying user requested modifications

- Administrate user access to market data, tracking the usage and produce reports

- Design/implement/enhance monitoring applications and tools to help investigate relevant problems

- Compile and analyze data set and trading model statistics and coordinate with other internal departments to produce specialized reports

- Maintain internal web pages that interface with Trading and Research on data usage and model validation

**Requirement on perspective candidates**

- Interested in applying technology to real situation, comfortable working in fast paced working environment, detail oriented and capable performing task under time pressure

- Effective problem solving both independently or as member of a team

- Good communication skills: must be fluent in English, spoken and written

- Background in Computer Science, Engineering, Math, Physics, with minimum Masters Degree. Proof of good academic record (such as GPA or other relevant test scores)

- Experienced with working under Linux environment. Proficient with common utilities such as find/grep/awk/sed/ls/cut/cp/tar/ps/ssh etc. Familiar with Vi or Emacs for editing files

- Experienced with scripting language, Perl and shell scripting are required, knowing Python is a plus. This requirement can be dropped/loosen only if candidate shows strong ability in other required skills, and successfully demonstrate he/she can pick up the skill in reasonable timeframe

- Knowledge of C/C++, common algorithms and data structures (binary tree, sorting, etc) and Object Oriented design. Familiar with compilers, debuggers under Linux (gcc, g++, gdb).

- Knowledge of basic statistics/probability, familiar with concepts such as correlation, standard deviation and how to calculate

- Familiar with database operations (with MySQL), including schema building, query, data loading, backup, restore

- Familiar with web site maintenance, web server configuration, CGI (Apache,  CSS, HTML, ModPerl/Mason)

Position isbased in **Old Greenwich, CT, USA**.

Interested and qualified candidates please **send resumes/inquiries** to Wei Zhou: [wei.zhou@worldquant.com](mailto:wei.zhou@worldquant.com) or call +1 (203) 344 6340.