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# Example of Quantitative Specialist Job Description

Our growing company is looking to fill the role of quantitative specialist. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for quantitative specialist

* Independently conducts advanced, complex statistical and quantitative analyses for assigned area
* Represents internal client needs to surrounding groups, by communicating requirements and data warehouse knowledge
* Tests changes to warehouse processes and/or engines to ensure no upstream or downstream repercussions
* Works in conjunction with source system or warehouse, data user, and/or IT resources to remediate data issues
* Collaborates with management to develop and implement the techniques and methodologies to be used for each type of activity/analysis
* Leads data modelling and quantitative analysis projects and serves as resource to less experienced colleagues
* Uses technology tools to conduct analyses
* Applies techniques such as SQL and querying and macro development to extract data for populating models
* As an advanced user, may do some light programming or system configuration in order set up sophisticated models or algorithms
* Works with management to evaluate and select the most appropriate technologies

## Qualifications for quantitative specialist

* Firm understanding of the IM industry and the equity investment process (with a focus on quantitative security analysis)
* Mastery of various scripting languages (Python, R, Matlab, etc) is a plus
* Bachelor’s degree and a minimum of five years of relevant experience
* Experience can be a substitute for an advanced degree, but master’s degree preferred
* Expertise in equities and options trading and market structure issues is essential
* Experience in quantitative analysis and designing analytical models – including a strong working knowledge of SQL, UNIX, SAS, C++, R, Java, Excel, Matlab, Business Objects, and/or other programing languages and analytical tools – is critical