



# Example of Quantitative Researcher Job Description

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Our company is growing rapidly and is looking to fill the role of quantitative researcher. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for quantitative researcher

- Working on enhancements to the portfolio optimization process, and providing support for portfolio construction, performance attribution, and portfolio management activities, including adhoc research requests from Portfolio Managers
- Overseeing key components of the implementation of a portfolio of systematic trading strategies including signal generation and portfolio construction
- Conducting directed analysis on incoming data feeds, market structure, portfolio performance, to validate assumptions and identify opportunities for improvement
- Collaborating with other researchers and quantitative analysts on the team to improve and expand the collection of market analytics and strategy signals
- Market specialist for the equity sector
- Use a rigorous scientific method to develop sophisticated investment models and shape our insights into how the markets will behave
- Apply quantitative techniques like machine learning to a vast array of datasets
- Create and test complex investment ideas and partner with our engineers to test your theories
- Join our reading circles to stay up to date on the latest research papers in your fields
- Attend academic seminars to learn from thought leaders from top universities

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- Ability to integrate advanced academic research with applied industry practices in delivering superior risk adjusted investment performances
  - Experience working with portfolio managers to improve the models, adding portfolio manager insights into the process
  - Knowledge of financial and macroeconomic databases like Compustat, Worldscope, IBES, FactSet, Datastream, etc
  - Excellent interpersonal skills, a strong teamwork orientation and a commitment to intellectual integrity that will allow the person to successfully forge relationships with the company
  - Excellent statistical and data analysis skills
  - Ad industry experience is a plus