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# Example of Senior Applied Scientist Job Description

Our company is looking for a senior applied scientist. 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 senior applied scientist

* Improving metrics, feedback systems and reinforcement learning techniques
* Staying current on technology trends and scientific developments in relevant areas inside and outside of the company, including attending academic and industrial conferences
* Developing solutions for real world, large scale problems
* Thinking creatively, and proactively and in a self-driven manner to solve existing problems and identify new opportunities
* Work with internal stakeholders to understand operational processes and requirements and translate into data driven solutions
* Build production-ready data pipelines and data products which can be integrated into line of business applications using APIs
* Document results and explain solutions to stakeholders across the business
* Model, analyze, and predict the performance of our global CDN
* Develop content distribution algorithms to maximize video quality of experience
* Partner closely and cross-functionally with Open Connect engineering teams, data engineers, adaptive streaming and encoding engineers, and financial analysts to drive high-impact results

## Qualifications for senior applied scientist

* Recognize and help hire top talent in your field
* Mentor others in achieving their career growth potential
* Drive an independent research agenda that is well-aligned with business needs
* Master degree in Computer Science, Electrical Engineering or a related field
* PhD in Computer Science with focus on Machine Learning or related areas
* Minimum of 3 years of experience with optimization, planning, decision making, and control