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# Example of Senior Machine Learning Scientist Job Description

Our growing company is searching for experienced candidates for the position of senior machine learning scientist. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

## Responsibilities for senior machine learning scientist

* Drive deep customer analysis with focus on predicting and improving customer LTV
* Drive models that focus on incrementally and profit margin growth
* Lead segmentation analysis and testing to better serve the customer in more relevant ways
* Support both MMM and MTA measurement models (Traditional Marketing Mix Multi Touch Attribution), and educate the organization when each should leverage, depending upon business goal and desired insight
* Lead ad-hoc analysis and present results in a clear manner
* Develop machine learning models to apply test data algorithms to future data
* Lead project teams to develop innovative solutions to drive innovative business solutions
* Lead the implementation of data modeling solutions
* Provide guidance to cross-functional leadership regarding data modeling possibilities
* Review business strategies to ensure alignment across initiatives

## Qualifications for senior machine learning scientist

* Familiarity with recent advances in deep learning (convolutional neural networks, recurrent neural networks, reinforcement learning, generative adversarial networks, memory networks )
* Peer-reviewed publications in computational chemistry and/or chemical physics
* Experience using modern machine learning methods including Random Forest, Support Vector Machines, and/or Deep Learning
* Experience developing empirical scoring functions for predicting protein-ligand complex geometries and binding affinities
* MS/PhD in Computer Science, Electrical Engineering, Applied Mathematics, or Mathematics from an accredited university augmented with an undergraduate degree or minor in chemistry, physics, mechanical or chemical engineering
* 1+ years of computer vision and image processing experience in academia, industry or national lab environment