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# Example of Senior Applied Scientist Job Description

Our growing company is looking for a senior applied scientist. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for senior applied scientist

* Participate in the design, development, evaluation, deployment of data-driven machine-learned (ML) models targeting NLU and ER applications
* Develop and apply statistical modeling techniques
* Research and implement novel ML and statistical approaches to add value to the business
* Carry out research on the principles and mechanisms covering air purification, sensing, signal processing, and data analysis
* Define and provide technical leadership for research projects covering air sensing to deliver meaningful improvements for consumers
* Responsible for executing research projects and defining the approach
* Contribute to short-term (<2 years) research roadmaps and technology platforms and mid-term (2-4 years) expectations on developments for the targeted applications and domains
* Responsible for maintaining and updating the personal knowledge in his/her area of expertise
* Carry out research on the principles and mechanisms covering sensing, sensor network, IOT, signal processing, and data analysis
* Define and provide technical leadership for research projects covering sensing for multiple technical domains kitchen appliance, air quality sensing, personal care to deliver meaningful improvements for consumers

## Qualifications for senior applied scientist

* Minimum of 3 years of experience with distributed agents
* Minimum of 3 years of experience with C/C++, C# or Python to build proof-of-concept
* Master’s Degree in Computer Science with a concentration in Computer Vision, Computer Graphics or Machine Learning
* 2+ years of experience with tools such as CNTK or TensorFlow
* 2+ years of experience with Matlab, OpenCV or OpenGL
* 5+ years of experience with C++, C# or other OO language