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# Example of Acoustic Engineer Job Description

Our company is growing rapidly and is searching for experienced candidates for the position of acoustic engineer. 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 acoustic engineer

* Utilize custom MATLAB data acquisition software with FPGA or customer development boards connected to prototype acoustic devices
* Perform experiments to judge sound quality using high quality audio interfaces with head and torso simulators in an anechoic chamber or listening room
* Integrate designed prototypes, silicon and audio processing software
* Develop production tools for the automation of the model production process
* Support profesional services team in the context of customer projects
* Assist senior team members in research tasks
* Train acoustic models for the VoCon engine in various languages
* Explore deep-learning techniques for the next generation of acoustic models
* Develop and maintain NLU buffers to support text-display normalization for embedded dictation
* Language research focussing on phonetics and other language specific aspects to increase VoCon accuracy

## Qualifications for acoustic engineer

* Two or more years of industry experience related to acoustic testing and analysis
* Experience with setting up, operating, and troubleshooting data-acquisition equipment
* Experience with test and analysis software tools such as MATLAB, Python, Mathematica, and Siemens LMS Test Lab
* Demonstrated experience with rotating machinery
* Demonstrated experience with scripting for test automation and data pre/post processing
* Bachelor's Degree in Engineering or Science with specialization in combustion dynamics