



Example of Sensor Engineer Job Description

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Our growing company is looking for a sensor engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for sensor engineer

- Write and maintain programs running the test systems using Labview
- Create work instructions for operation of test systems
- Maintain operation and trouble shooting of test systems
- Work on gas flow benches for both mechanical, fluid mechanical control and programming in both Labview and C++ under Lab Windows
- Identify next generation audio and environmental sensor technologies to drive future business growth and increased value propositions as a means of meeting demanding customer needs in the areas identified above
- Take the lead on Proof of Concept prototyping of next generation sensor solutions by working with controls, innovation and electrical engineering team members to scope, define, prototype and demonstrate technical solutions based on novel approaches related to audio interface technology and associated data processing & analytics
- Develop methods and processes for quantification of performance to be passed to product development teams for their validation testing
- Support business strategic planning as a Subject Matter Expert (SME) and participate in creating strategic partnerships in key topic areas as needed
- Mentor and educate less experienced engineering work force on sensor technology integrated designs, engineering trade-offs, and sensor-related Internet of Things (IoT) solutions
- Keeps abreast of the state-of-the-art in the areas of sensor technology, sensor-related materials and physics, standards that impact sensor controls, and electronic architectures for sensor applications with a focus on specific areas identified in the scope

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- General knowledge of communication protocols is preferred
 - Hands-on experiences on sensor and sensor system development, focusing on sensor integration in power system
 - Good knowledge of signal conditioning and data acquisition circuit design, implementation, and debugging
 - Programming experience in C/C++/C#, Visual Basic, Matlab/Simulink or other micro-controller based embedded systems
 - Skillful at presenting technical concept and research results to staff and customers in the form of written reports oral presentations
 - Experience implementing device drivers (e.g., PWM, A/D converters, Serial, I2C, SPI, Audio/Video decoders/encoders)