Example of Sensor Engineer Job Description

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Our innovative and growing company is searching for experienced candidates for the position of sensor engineer. 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 sensor engineer

- Design manufacturable mechanical packaging, housings and interfaces for sensor applications based on customer or market requirements, product specifications, manufacturing requirements, schedules, and cost analyses
- Develop conceptual designs for new sensors
- Manage engineering projects as assigned
- Acquire prototype materials and samples to support performance, reliability and customer evaluations
- Prepare Engineering-level drawings for design reviews, quotation requests, design reviews, and for release into the Engineering Change Notice (ECN) system
- Use appropriate analytical tools to analyze and interpret data and reach relevant conclusions
- Provide oversight to assigned engineering new product processes, such as design reviews or style configurator system
- Developer of electro-mechanical test systems
- Create design specification for electro-mechanical test systems
- Create physical design drawings for test systems

Qualifications for sensor engineer

- Demonstrated experience working in a team-based project from inception to finish across multiple disciplines, , hardware design and implementation, data

- Expert-level understanding of MEMS-based intelligent sensors including biometric, touch, and force sensors
- In depth knowledge of Sensor system architecture design, including optical sensor system, magnetic sensor system, environment sensor, focusing on consumer electronics applications
- Solid knowledge on Mobile devices such as Smartphone and wearable and Virtual/Augmented/Mixed Reality technologies
- Innovation minded, highly capable to think systematically, capable to redefine the solutions to overcome the competitors
- General understanding of microcontroller based embedded systems and real-time operating system designs