



Example of Engineer, Product Design Job Description

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Our company is growing rapidly and is hiring for an engineer, product design. 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 engineer, product design

- Analysis of discrepant hardware to make Engineering recommendations to Materials Review Board (MRB), First Article Inspection (FAI) resolution, substantiation testing, Engineering assessments for supplier transitions and repositions, design reviews, and implementation of strategic projects to reduce cost of poor quality (COPQ)
- Produce and/or evaluates possible design solutions that meet product requirements for cost, quality and performance based on knowledge of engineering applications while working within a cross-functional team
- Generating, revising and maintaining critical mechanical engineering design requirements and associated quality system documentation for life-sustaining disposables systems many of which interface to electromechanical medical devices
- From a sketch or verbal concept, electronically engineer case goods items, utilizing a 3D CAD environment to create a fully engineered detail drawing, clearly defining the required specifications for quality and ease of manufacturing
- Research purchased components for application to meet design and marketing requirements, quality standards, costs, safety and performance of components
- Participates as a team member, learns team roles and how to contribute towards team goals
- Participate as technical representative on interdepartmental teams

- Perform heat transfer calculations for nacelle and engine compartment cooling
- Support inlet and exhaust system testing and aerodynamic data reduction

Qualifications for engineer, product design

- Bachelor's degree in Mechanical Engineering
- A minimum overall GPA of 3.0 (3.5+ desired)
- Application and usage of critical engineering principals (statics, dynamics, vibrations, material mechanics, engineering economics, thermodynamics, design of experiments, statistics)
- Proficiency in signal processing and filtering of dynamic test data in the frequency domain, & time domain to produce response plots
- Knowledge and understanding of multiple tooling and manufacturing techniques
- Ability to travel to Far East for project transfer/production requirement desirable