



Example of FEA Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of FEA 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 FEA engineer

- Create and modify 3D solid models
- Perform meshing and finite element modeling
- Interpret results, make recommendations, and write reports
- Optimize designs using FEA results
- Support department in continuous improvement activities
- Support development of simulation procedures and methodologies for the department
- Contribute to, help define, and lead applied R&D projects for driveline FEA
- Retrieve and modify Unigraphics (NX) models of engine components and assemblies to support the creation of finite element models
- FEA expert that will be responsible to develop FEA models for all tooling used in the Metals R&D area
- Check models analytically and empirically

Qualifications for FEA engineer

- Bachelor's degree in an engineering discipline from an ABET accredited engineering program
- Bachelor's degree or higher in Electrical Engineering or a related discipline
- Knowledge of electromagnetic designs such as motors, generators, and power converters
- Motor simulation and modeling experience using Speed, Motorcad, Maxwell,

- Mechanical aptitude and an understanding of design for manufacturing concepts
- Familiar with CAD modelings, Experience with NX is a plus