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# Example of Mechanical Engineer Intern Job Description

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

## Responsibilities for mechanical engineer intern

* Perform Mechanical part design of custom brackets and various sheet metal parts using ProE and/or AutoCAD, subassembly modeling and drawing documentation
* Gain hands-on experience in lab testing the configurations to validate the design, including environmental testing, thermal testing, transpiration vibration testing
* Exploring and refining innovative technologies and architecture
* Experimentally analyze and debug prototype systems
* Researching new materials & technologies and processes that advances industry best practices
* Research, develop and productize mass producible solutions
* Design and build proof-of-concept prototypes, perform Design-of-Experiments DOE, mechanically instrument prototypes for thermal, stress, vibration, acoustic, , and help perform technical analysis and trade-off studies on design feature alternatives to optimize against design priorities
* To participate in design reviews with Senior Design Engineers, Engineering Managers and Design Managers – justify design detail and collaborate with other specialists
* Day-to-day interface with operations, maintenance, technology, reliability team, and construction personnel to troubleshoot, optimize and ensure safe and reliable operation of fixed and rotating equipment
* Interfaces with plant groups as needed to maintain compliance and integrity management of the equipment in the assets

## Qualifications for mechanical engineer intern

* Majors in Mechanical Engineering or Electrical Engineering
* Knowledge or experience with AutoCAD, Inventor 2010 and AutoCAD Mechanical 2010 is preferred but not required
* Employment offers are contingent upon the successful completion of Carpenter's pre-employment selection process, which includes a drug and alcohol screen
* Relevant coursework in traditional electro-mechanical engineering courses, including math, physics, technical composition, calculus, statics & dynamics, mechanics and materials
* Works hard, full of energy
* Pursuing a Bachelor's degree in mechanical engineering, having completed at least two years in the degree program