MECHANICAL DESIGN ENGINEER (SOFTGOODS)

Posting ID: IN1722250D
Company: Bigelow Aerospace
Position Type: Full-Time
College Major(s): Mechanical Engineering (ME)

Company Website: http://www.bigelowaaerospace.com
Work Location: North Las Vegas
Salary: Depends on experience
College Level(s): Graduate Student

OVERVIEW

Bigelow Aerospace, a NASA contractor, is an established Company with a mission to provide affordable destinations for NASA, foreign space agencies, and corporate clients. In 2006 and 2007, we launched our orbiting prototypes Genesis I and Genesis II. BEAM was launched to the International Space Station on April 8th, 2016. We seek to assist human exploration and the discovery of beneficial resources, whether in Low Earth Orbit (LEO), on the moon, in deep space or on Mars.

Roles and Responsibilities
Under the instruction of our Softgoods Engineering staff, the intern will design components and/or assemblies based on a set of requirements and constraints. Work directly with Softgoods & Mechanical Engineering staff members to gather and understand the project design requirements. Perform related analysis (simple FEA) and classical hand calculations to optimize design of product. Modify and revise designs based on cost and manufacturing capabilities. Work with structural analysis to verify capabilities of structure before fabrication. Organize design reviews and presentations among peers to gain design feedback. Assures system and product quality by designing to established testing methods and procedures, product and system capabilities; confirming fabrication, assembly, and installation processes. Prepare manufacturing drawings to ANSI Y14.5M standards using GD&T for manufacturability and repeatability. Process design and documentation revisions according to proper procedure established by Bigelow Aerospace AS9100D Quality Management System requirements. Perform material & design research in regards to Softgoods and Metallic Structures.

Education and Qualifications
Bachelor’s degree in Mechanical Engineering
Experience with SolidWorks software
Comfortable with hands-on work

Preferred Skills

How to Apply
http://www.bigelowaerospace.com/bigelow-careers/