Mechanical Engineer – Design

2022-3151

Being on the BlueHalo Team means working alongside the brightest minds in technology on the toughest challenges facing our nation – not just every once in a while, but every single day. Together, we are leading the transformation of modern warfare and each BlueHalo employee plays a key role. We’re committed to providing our people with the best opportunities to develop their skills, share their knowledge, and push their innovative ideas to the cutting edge.

**Primary Roles and Responsibilities:**

* Electronics packaging design of high-reliability systems deployed in space
* Developing drawings and technical data packages to support fabrication and build of mechanical parts and assemblies
* Support the development process including materials and process selection, system integration activities, thermal, and dynamic-environments testing
* Writing technical report sections and presentations for clients
* Supporting the technical proposal process

**Qualifications**

* Bachelors degree in Mechanical Engineering, and approximately 1-3 years experience
* Experience with, mechanical engineering and design, including structural, assembly, integration, and test of mechanical hardware.
* Experience with CAD software including mechanical design and drawings.
* Experience with Product Data Management (PDM) software.
* Experience with finite element & thermal analysis software and methods.
* Experience with tolerance analysis and GD&T practices.
* Ability to quickly adapt to various projects and types of work and to work several projects simultaneously while managing time and priorities.
* Ability to work independently or as part of a small team.
* Experience and willingness to be hands on during hardware assembly, integration, and test.
* Demonstrated communication skills (technical writing, presentation, customer, and vendor interaction, etc.).
* Demonstrated leadership skills.

**Desired Qualifications and Skills:**

* Masters degree in Mechanical Engineering, and approximately 3-5 years experience
* Proficiency in SolidWorks and SolidWorks PDM
* Experience with thermal management of electronics and packaging considerations such as grounding, bonding, and shielding
* Experience with design for shock and vibration