On your resume please identify if you are currently supporting JPL.
If so, please mark the top of your resume
*****Current Jet Propulsion Laboratory Employee*****

Job Title: SME Hardware Mechanical/Mechanisms Design Engineer.
Job Description:

- Responsible and maintain cognizance for all technical and programmatic aspects of the hardware product(s) being developed and delivered, reporting the status and performance to the appropriate organizations
- Work in teams that apply research to the planning, design, development, and testing of mechanical and/or electromechanical systems, instruments, and/or machines such as planetary rovers, landers, motion control systems, and surface sampling systems.
- Work in a collaborative environment to design, analyze, build and test mechanical components, devices, structures and assemblies, including mechanical ground support equipment (MGSE) and tooling for a Flight Project.
- Interface with engineers, analysts, designers, manufacturing specialists, machine shop, flight techs, and project staff.
- Establish requirements, and specify interfaces for flight hardware under development.
- Work independently, and under the direction of the technical leads and project management. Direct work for one or more junior engineers or flight techs as required.
- Develop procedures for build, test, assembly, and operation of mechanical hardware. Prepare, coordinate, and deliver formal and informal technical peer reviews

Required Skills:

- BS in Aerospace, Mechanical, or equivalent Education required
- 20+ Years of Experience
- Must be a US citizen
- Must be able to pass a national agency check
- Must be able to pass a pre-employment drug screening

- Practical experience using advanced principles, theories, concepts and techniques in solving mechanical engineering problems, with the ability to perform trade studies, develop conceptual configurations, engineer piece-parts and mechanical systems, and facilitate the fabrication, assembly, and qualification of hardware.
- Expertise in mechanical engineering disciplines for the design, analysis and test of structures and mechanisms, including strength of materials, machine and structure design, structural/mechanical testing, manufacturing engineering, mechanical systems, and machine shop practices.
- Practical experience using Unigraphics/Siemens NX and or SolidWorks CAD modeling software, in a Product Delivery Management (PDM) or similar Concurrent Engineering environment. Team Center experience preferred.
- Demonstrated experience developing and delivering mechanical parts, assemblies or mechanical systems.
- Demonstrated experience performing stress analysis of structures and mechanical elements, using classical hand methods and Finite Element Modeling.

- Experience with computer aided design and drafting, and spacecraft flight hardware development and test.
- Ability to solve mechanical design problems, perform trade studies, develop design requirements, perform piece part design, and coordinate fabrication, assembly, and qualification of hardware.
- Good verbal and written communications skills with ability to work in a team environment.

Other Desired Skills:

- Knowledge of Standards for Geometric Dimensioning and Tolerancing (GD&T) per American Society of Mechanical Engineers (ASME) Y14.5. Knowledge of academic and industry practices and standards across a range of applications related to the development, production and safety of aerospace flight hardware and systems. Experience leading one or more junior engineers or techs on an engineering project

Job Title: Sr II Hardware Integration & Test Systems Engineer
Job Description:

- Responsible and maintain cognizance for all technical and programmatic aspects of the hardware product(s) being developed and delivered, reporting the status and performance to the appropriate organizations.
- Work in teams that apply research to the planning, design, development, and testing of mechanical and/or electromechanical systems, instruments, and/or machines such as planetary rovers, landers, motion control systems, and surface sampling systems.
- Work in a collaborative environment to design, analyze, build and test mechanical components, devices, structures and assemblies, including mechanical ground support equipment (MGSE) and tooling for a Flight Project.
- Interface with engineers, analysts, designers, manufacturing specialists, machine shop, flight techs, and project staff.
- Establish requirements, and specify interfaces for flight hardware under development.
- Work independently, and under the direction of the technical leads and project management. Direct work for one or more junior engineers or flight techs as required.
- Develop procedures for build, test, assembly, and operation of mechanical hardware. Prepare, coordinate, and deliver formal and informal technical peer reviews.

Required Skills:

- BS in Aerospace, Mechanical, or equivalent Education required
- 15+ Years of Experience
- Must be a US citizen
- Must be able to pass a national agency check
- Must be able to pass a pre-employment drug screening

- Practical experience using advanced principles, theories, concepts and techniques in solving mechanical engineering problems, with the ability to perform trade studies, develop conceptual configurations, engineer piece-parts and mechanical systems, and facilitate the fabrication, assembly, and qualification of hardware.

- Expertise in mechanical engineering disciplines for the design, analysis and test of structures and mechanisms, including strength of materials, machine and structure design, structural/mechanical testing, manufacturing engineering, mechanical systems, and machine shop practices.
- Practical experience using Unigraphics/Siemens NX and or SolidWorks CAD modeling software, in a Product Delivery Management (PDM) or similar Concurrent Engineering environment. Team Center experience preferred.
- Demonstrated experience developing and delivering mechanical parts, assemblies or mechanical systems.
- Demonstrated experience performing stress analysis of structures and mechanical elements, using classical hand methods and Finite Element Modeling.
- Experience with computer aided design and drafting, and spacecraft flight hardware development and test.
- Ability to solve mechanical design problems, perform trade studies, develop design requirements, perform piece part design, and coordinate fabrication, assembly, and qualification of hardware.
- Good verbal and written communications skills with ability to work in a team environment.

Other Desired Skills:

- Knowledge of Standards for Geometric Dimensioning and Tolerancing (GD&T) per American Society of Mechanical Engineers (ASME) Y14.5. Knowledge of academic and industry practices and standards across a range of applications related to the development, production and safety of aerospace flight hardware and systems. Experience leading one or more junior engineers or techs on an engineering project.