

Job ID: 58
Posted: 12/17/2013
Application Deadline: 01/17/2014



Mechanical Engineer

Compensation: Salary - Negotiable
Work Schedule: Full Time
Location: Orlando, Florida
Start Date: Contract Pending (Estimated Start Date: February 3rd, 2014)

I. Responsibilities

- Design and test vehicle dynamics and validate structural designs
- Design and test components for the lunar lander utilizing methodologies that include computer aided design and finite element analysis
- Collaborate with engineering teams and manufacturing to generate and iterate ideas, designs and processes for current and next generation lunar landers
- Generate technical documentation that meets stakeholder requirements and corporate standards
- Create innovative solutions to technical challenges

II. Requirements

- BS in Aerospace or Mechanical Engineering, MS preferred
- Minimum 2 years experience at an aerospace firm with a focus on spacecraft design
- Highly level of motivation and ability to work in a fast paced environment
- Ability to adapt quickly to changes and work autonomously or with a team in an entrepreneurial environment
- Proficient in Microsoft Office and CAD (Solidworks), Catia a plus
- Finite Element Analysis (FEA) – ANSYS
- Must be willing to travel

III. Preferred Skills

- Good communication skills
- Experience in system design, development and testing
- Knowledge of composites and fabrication methodologies
- Manufacturing experience

About the Company:

Earthrise Space Foundation (ESF) is a Florida-based 501(c)(3) non-profit corporation dedicated to developing space technology in collaboration with industry and academic institutions. The main focus is to create technologies for commercial space transportation systems that focus on landing and operating on the lunar surface and other astronomical bodies, through low cost off-the-shelf reliable commercial space products, and support services. ESF efforts involve professionals from the aerospace industry working with aspiring engineers through challenging ventures, providing them with hands-on experience to prepare them for future employment in the entrepreneurial space industry.

ESF Facility Location:

3251 Progress Drive
Suite D, Room 232
Orlando, FL 32826

Please send an email to jobs@earthrise-space.org with the following subject: *Mechanical Engineer – (Your Name Here)*. Email should include one PDF that has a cover letter and resume. You will be notified by the Hiring Manager via email if you have been selected to come in for an interview.