

San Francisco Bay Area Aerospace Structures Position:

We are a small, highly entrepreneurial team of rocket engineers with deep technical expertise who love to build things and relish the idea of a grand challenge.

Are you an engineer, hacker, maker, physicist who has always dreamed of building rockets? Come help us build the hardware and launch the services that will open the frontier of space to the next generation of entrepreneurs.

Position Overview

Work as a member of the structural design team with direct responsibility for the conceptual, preliminary and detailed design, analysis, fabrication, and testing of launch vehicle structures in a challenging fast-paced environment.

Responsibilities

- Sizing, design, analysis, manufacture and test of structural components and assemblies for our current and future launch vehicles.
- Work with team members to define load conditions and requirements for specific assemblies and components.
- Generate detailed designs and conduct static, dynamic and modal structural analysis as required, via hand-calcs and computational methods.
- Work closely with team and vendors to ensure components are produced within required specifications.
- Generate test plans, and coordinate component / assembly testing and documentation to ensure components function as designed.
- Capture and synthesize structural design approaches and knowledge to improve future designs.
- Identify opportunities to increase structural efficiency and reduce mass and cost.
- Manage and track multiple priorities across vehicle structures team.
- Coordinate with Propulsion, Avionics, Mechanisms, Testing, and Infrastructure team leads

Qualifications

- B.S. in Mechanical or Aeronautical engineering
- Experience generating solid models and drawing packages in Solidworks
- FEA and classical hand calcs. relevant to aerospace structures
- Familiar with fabrication methods: shop tools, machining, welding, etc.

Contact:

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