



Sr. Composite Structural Engineer

Toronto, Canada

The Company

We are SpaceRyde; building Canada's first rocket to launch small satellites!

Pioneering an industry is not an easy task, but with our combination of experienced founders, high-profile investors and bright team, we have achieved many firsts. We have doubled our staff every year, and will reach space in 2022, so come join us if you'd like to work on the edge of innovation and creativity.

The Role

You will work closely with structural engineers and will play an important role in the design, integration and testing of structures for SpaceRyde's launch vehicle. You will be challenged daily and will need to adapt quickly to achieve tight project deadlines.

How to Apply

Email your resume and unofficial transcript to jobs@spaceryde.com

Key Responsibilities

- Support development (design, analysis) and manufacturing of launch vehicle structural components (metallic and composite) from preliminary concepts to detailed design, integration, test, and qualification.
- Work with other subsystem specialists to seamlessly integrate other components into the launch vehicle structure.
- Employ innovative methods to ensure testability, manufacturability, and low production costs of structural components.
- Optimization of composite structural designs and composite manufacturing methods.

Requirements

- Graduate degree related to composite materials: Masters with 2+ years of experience or Ph.D
- Solid knowledge of CAD, experience in SolidWorks or other design software.
- Experience working with FEA (both general and for composites), Ansys experience is an asset
- Thorough knowledge of Classical Lamination Theory.
- Understanding of composite failure criteria.
- Programming knowledge in python or C++.
- Bonus points for experience with hands on composites manufacturing especially with different fiber and resin combinations.