



Propulsion 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 be part of the propulsion team and will play an important role in the design, integration and testing of propulsion systems 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

- Develop (design, analyze, build, and test) rocket propulsion systems including structural, thermal, & fluid management systems (valves, instrumentation, pressurization, etc).
- Support rocket development throughout the entire design cycle including preliminary concept, detailed design, integration, testing, and qualification.
- Work with other subsystem specialists to seamlessly integrate the propulsion systems with the rest of rocket subsystems.
- Employ innovative methods to ensure testability, manufacturability, and low production costs of propulsion systems.

Requirements

- Degree in Aerospace, Mechanical or Chemical Engineering.
- 1+ year(s) of relevant hands-on experience.
- Solid understanding of rocket propulsion systems and components.
- Strong theoretical knowledge of aerospace engineering fundamentals including mechanics of materials, compressible and incompressible flow, thermodynamics, and heat transfer.
- Experience with CAD software, advanced manufacturing techniques, and design for manufacturability/assembly.
- Programming knowledge in Python or other languages.
- Experience with ANSYS or other finite element software.