



Propulsion Intern

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 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

- Participate in propulsion testing campaigns through test article preparation, conducting tests, and post-test inspections.
- Design and build infrastructure to support propulsion testing activities.
- Assist with design, analysis, building, and testing of propulsion & fluid management systems.
- 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

- Enrolled in Aerospace, Mechanical or Chemical Engineering university program with 1+ year of relevant hands-on experience.
- Strong understanding and experience working with CAD software, advanced manufacturing techniques, and design for manufacturability/assembly.
- Good understanding of either plumbing or electronic control systems for propulsion systems.
- Good theoretical knowledge of compressible and incompressible flow, thermodynamics, heat transfer, and mechanics of materials.