

Propulsion Intern

SpaceRyde

At SpaceRyde, we use balloons to launch small satellites. Our work is literally rocket science and we are looking for creative people to join us. Watch the video of our first flight, and Canada's first-ever space launch system for small satellites here: <https://ca.linkedin.com/company/spaceryde>

Please email your resume to jobs@spaceryde.com

Key Responsibilities

Develop (design, analyze, build, and test) rocket propulsion systems including fluid management systems (valves, instrumentation, pressurization, etc).

Support launch vehicle system development from preliminary concepts to detailed design, integration, test, 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

Enrolled in Aerospace, Mechanical or Chemical Engineering university program with 1+ year of relevant hands-on experience.

Strong understanding of launch vehicle propulsion systems and components.

Strong theoretical knowledge of compressible and incompressible flow, thermodynamics, heat transfer, and mechanics of materials.

Good understanding and experience working with CAD software, advanced manufacturing techniques, and design for manufacturability/assembly.