IMMEDIATE FULL TIME OPEN POSITION

Propulsion Systems Engineer

Toronto, Canada

Us

At SpaceRyde, we use balloons to launch satellites. Our work is literally rocket science and we are looking for creative people to join us. Watch videos of our flights on our website to see how we are building Canada's first space launch system for small satellites.

We love solving real problems in the simplest way, and want to work with people who Get. The Job. Done. We are backed by high-profile investors including YCombinator and work as fast-paced Silicon-Valley startups do.

You

You are a rockstar Propulsion Systems Engineer, who excels in a fast-paced environment, and does your best work when juggling multiple tasks. You always make it happen when everything that's supposed to work, doesn't! You are goal-oriented and prepared to take complete ownership of your project. If you are thinking of taking a day off before a deadline because it's your birthday, or anniversary, this is not the company for you.

Join us if you like to

Work on rockets and make history in Canada

Learn a lot at a very fast pace

Grow and advance in your career

Become a shareholder of SpaceRyde

Enjoy free breakfast, snacks, coffee, tea and employee appreciation events

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 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.
- Good understanding and experience working 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.
- Prepared to be intellectually challenged & work on tasks outside your expertise.

How to apply

Please email your resume and unofficial transcript to jobs@spaceryde.com. This is an immediate-hire position, and resumes are reviewed as soon as received.