



IMMEDIATE FULL TIME OPEN POSITION

## **Senior Structural 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 seasoned Structural 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) launch vehicle structure.
- Support launch vehicle system development 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 rocket propulsion systems.

## Requirements

- University Degree in Aerospace / Mechanical Engineering.
- 5+ years of relevant hands-on experience.
- 2+ years experience in designing and manufacturing large aerospace structures.
- Working knowledge of finite element analysis in the context of thin walled aerospace structures.
- Experience with ANSYS or other finite element software.
- Programming knowledge in Python or C++.
- Solid knowledge of CAD is a must. Experience in SolidWorks is an asset.
- Knowledge of composite mechanics, especially classical lamination theory is an asset.
- Prepared to be intellectually challenged & work on tasks outside your expertise.
- Team player: ask for help when you are stuck, and always ready to help.

## How to apply

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