



Optimization 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 vehicle design team and will play an important role in the conceptual and system level design of 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

- Support the development of a launch vehicle conceptual design optimization framework.
- Conduct conceptual design studies in support of vehicle development efforts.
- Work with other subsystem specialists to improve the conceptual design models.
- Employ innovative design methodologies to produce high performance products.

Requirements

- Enrolled in Engineering or Computer Science. Graduate studies preferred.
- 1+ years of previous coding experience in industry or academia.
- Background in numerical methods and mathematical modeling of physical systems.
- Programming knowledge in Python, preference for previous experience with numerical packages such as numpy and scipy.
- Knowledge of conceptual design methods for aerospace vehicles is a plus.