



Power Electronics Design Engineer

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 avionics team and will play an important role in the design, integration and testing of power subsystems 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

Support the development of the launch system avionics power system:

- Design and build the full power string for avionics, including solar power, battery management, power distribution modules, point of load regulators and motor/actuator control.
- Test the performance of the power system in orbital temperature & pressure conditions and iterate the design to improve its performance.

Requirements

- Bachelor's degree in electrical or aerospace engineering.
- 2+ years of work experience in electrical/electronics design.
- Knowledge of power systems design topics including switch mode power supplies, noise filtering, EMI, motor control, battery management, solar power generation and power point tracking.
- Proven hands-on experience in PCB design, assembly and bring-up of battery powered portable equipment, vehicles, power tools, or equivalent.
- Bonus points for experience in RF systems design.
- Bonus points for coding experience in C, C++ and Python.