

Avionics 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

Design a state of the art architecture for balloon-borne payloads

- Calculate power requirements to run all electronics and design energy storage systems
- Estimate computational power needed and select computer platforms to run required algorithms
- Work with other subsystem specialists to seamlessly integrate avionics into the overall payload assembly
- Employ innovative methods to ensure testability, manufacturability and low production costs of avionics systems

Requirements

Enrolled in an Aerospace / Electrical / Mechatronics Engineering university program or a relevant field:

- able to design energy storage and power distribution systems
- have used single-board computers for embedded applications
- have worked with long range communication systems
- can program an Arduino while playing World of Warcraft

Proficient in Python and/or C++

Previous exposure to satellite, rocket, or aircraft avionics is a must

Working knowledge of ROS and Altium is a bonus