

Hardware Development Engineer

Type: Full Time

About the Role:

Position Responsibilities and Duties:

- Design, develop and test flight rated avionics hardware including power control system, flight computer and data interfaces.
- Develop methods for and implement hardware testing based on existing standards.
- Develop firmware and software drivers for subsystems and prototypes in collaboration with software engineering team.
- Perform trade studies on architecture, schematics and layouts options and communicate with team members and external vendors as needed.
- Collaborate with team members in developing requirements and managing interface with flight components.

Required Skills

- Experience and/or knowledge on PCB design software such as Eagle CAD/Altium Designer.
- Experience and/or knowledge with layout of mixed analog and digital designs, high speed buses, power supplies, DC-DC converters, transmission lines, impedance controlled traces and power traces
- Experience and/or knowledge on Real Time OS, microcontroller, and embedded system programming
- Experience and/or knowledge on RF systems and circuits design.
- Experience working with subcontractors and vendors
- Ability to work independently and successfully manage multiple priorities in a demanding start-up atmosphere.
- Ability to take a concept from requirements through prototype design, build, test, and operations.
- Passion for advancing the commercial space exploration industry in Singapore.
- Strong written and verbal communication skills

Additional Requirements

- Must be available to work extended hours and weekends as needed

Required Education and Qualifications

- Minimum of Bachelor's degree in electrical engineering or other technical or science discipline
- One to three years working experience
- Singapore Citizen and Singapore PR are welcome to apply