



Job Title: Software Engineer
Reports To: Software Engineering Department Manager
Secondary Interfaces: Project Teams

EDUCATIONAL REQUIREMENTS: Bachelor's degree from four-year college or university; and a minimum of three years related experience and/or training; or equivalent combination of education and experience.

DESIRED ATTRIBUTES:

- Excellent communicator (oral and written)
- Self-starter
- Self-disciplined
- Good organizer and planner

SUMMARY: Develop and support software for innovative hardware projects encompassing aerospace, bio-medical and additive manufacturing in spaceflight applications. Create and improve software through all phases of a project life-cycle; including the design, analysis, implementation and operational support of software systems.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Work within cross-disciplinary project teams (internal engineers and scientists) to develop software systems and sub-systems in support of a project's mission and requirements.
- Confer with customer to clarify software requirements and resolve design problems.
- Analyze software requirements to determine design feasibility within both cost and schedule constraints.
- Collaborate with hardware engineers, scientists and customers to engineer software in support of a complete system.
- Apply programming best practices to insure exceptionally stable and performant software.
- Analyze performance of hardware and software interfaces to identify opportunities for further improvements.
- Design and develop command and telemetry interfaces for software services, including graphical user interfaces.
- Provide software support, including commanding and data processing, during project operations.
- Prepare and/or assist with project reports, monthly status reports, teleconferences, and all written/oral communications with, and required by, the customer.
- Communicate clearly and effectively orally and in writing.
- Assist with business development activities by preparing quotes, estimates, and writing proposals.
- In addition to these responsibilities, assistance with additional tasks deemed suitable by the Software Engineering Department Manager will be requested from time to time. Detailed instructions will be given in accordance with each task when assigned.

To apply, please email your résumé to: careers@techshot.com