

Embedded Software Engineer

Requisition Number: 18-07
Job Title: Embedded Software Engineer
Career Level: Entry- and Mid-Level
Location: Littleton, Colorado
Relocation: Negotiable
Education Required: Bachelor's degree or equivalent experience in Computer/Electrical Engineering
Years of Experience: 1-8 years
Travel: Minimal < 10%

Job Description: Oakman Aerospace, Inc. (OAI) seeks a full-time Embedded Software Engineer to provide full life cycle (requirements, design, develop, and test) embedded software engineering for space and test systems. Candidate will support OAI's modular architecture approach, must be proficient in C/C++, and possess a clear understanding of real-time embedded software principles and object oriented analysis, design, and development. Must be comfortable with basic handling and testing of electronics/microelectronics.

Basic Qualifications:

- Self-motivated and performing tasks with minimal oversight
- Experience in a multi-discipline environment
- Proficient in Microsoft Excel, PowerPoint, Word
- Excellent verbal and written communication skills; the ability to professionally communicate and coordinate with a wide range of external program sponsors as well as internal management
- Sound time management skills, attention to detail, and priority management to meet deadlines

Required Skills & Knowledge

- Experience writing device drivers and interfacing with hardware
- Experience programming with C/C++ in an embedded real-time environment
- Experience with software and system automation (e.g. Python, Perl, shell scripting)
- Understanding of and experience using VxWorks and VxWorks Workbench (or similar RTOS)
- Experience across the software development lifecycle with an emphasis on rigorous development practices for flight hardware
- Experience with formal software development practices including software version control, coding standards and naming conventions
- Object oriented analysis and design techniques
- Strong mathematics foundation
- Strong analytical and problem solving skills

Oakman Aerospace Inc. is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.

- Organizational and time management skills to prioritize workload and meet time-sensitive deadlines required. Must be able to work under pressure and time constraints. Must be results-oriented with the ability to change priorities as needed

Desired Skills:

- Experience with various communications bus protocols (e.g. MIL-STD-1553, RS-422, CANBUS, SpaceWire, etc)
- Familiarity with Linux-based open source development programs (and command line kung fu encouraged!)
- Knowledge of aerospace engineering principles
- Knowledge of electronics, circuits, board layout a plus