

# EMBEDDED SOFTWARE ENGINEER

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<b>Requisition Number:</b>	20-12
<b>Job Title:</b>	Embedded Software Engineer
<b>Career Level:</b>	Mid-Level
<b>Location:</b>	Littleton, Colorado
<b>Relocation:</b>	Negotiable
<b>Education Required:</b>	Bachelor's degree or equivalent experience in Computer Science or related field.
<b>Years of Experience:</b>	5-10 years
<b>Travel:</b>	As Necessary

**Job Description:** Oakman Aerospace, Inc. (OAI) seeks a full-time Software Engineer to provide full life cycle (requirements, design, develop, and test) software engineering for embedded space and test systems. Candidate will support development and testing of embedded systems leveraging OAI's modular architecture approach, must be proficient in C/C++ and Python, and possess a clear understanding of software principles and object oriented analysis, design, and development. This position requires all work to be performed on site (no telecommuting) and U.S. Citizenship is required.

- Basic Qualifications:**
- Self-motivated; performs 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
  - Must be results-oriented, with the ability to change priorities as needed

- Required Skills & Knowledge:**
- Experience programming with C/C++ and Python
  - Experience with software and system automation (e.g. Python, Perl, shell scripting)
  - Microcontroller based systems and low-level assembly languages (MicroBlaze, Leon (SPARC), PIC, Freescale, ARM, etc.)
  - RTOS (Wind River Systems VxWorks, Green Hills Integrity, etc.)
  - Network and Communications Protocols (Ethernet, TCP/IP, RS-422, 1553, SpaceWire, etc.)
  - Compilers/Linkers/In-Circuit Debuggers
  - Ability to perform lab bring-up and testing of new hardware designs
  - Should be comfortable with analysis/debug tools (Oscilloscope, Logic Analyzer, Multi-Meter, etc.)
  - Strong analytical and problem solving skills
  - Familiarity with Linux-based open source development programs
  - Experience working with flight hardware
  - Experience building software on embedded targets

- Desired Skills:**
- Object Oriented Analysis and Design techniques
  - Experience across the software development lifecycle experience with formal software development practices including software version control (git), coding standards and code reviews
  - Familiarity with GitLab or a similar tool
  - Familiarity with GoogleTest or a similar unit testing framework
  - Experience with flight software development
  - Knowledge of aerospace engineering principles



**About OAI:**

OAI is on a mission to advance the future of space through innovative and groundbreaking technologies that Enable Your Journey Through Space. Our employees are the foundation of OAI and our products and services reflect their vision of the future. Our team members come from a variety of backgrounds and experiences, and have an unwavering commitment to always do the right thing for OAI's customers, teammates, and stakeholders. They leverage their own skills and that of their peers to unlock the next solution that will revolutionize space. Our company culture is driven by this passion for disruption in the space industry, fosters employee growth and development, and promotes collaboration within our community.

Oakman Aerospace, Inc. (OAI) 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. OAI is a drug-free workplace.