

UMBRA

Spacecraft Systems Engineer

Umbra Lab, Inc. (“Umbra”) is a technology company which builds next-generation space systems. Umbra is launching an unrivaled constellation of space-based radar satellites with synthetic aperture radar (SAR) capabilities, to produce all weather day-night imagery with sub-meter resolution for low cost distribution via an integrated web platform. We are a bold, experienced team of developers, engineers, product specialists, and other professionals working to aggressively expand the state-of-the-art for commercial remote sensing.

We are looking for a talented, mission-driven professional to work closely with a multidisciplinary engineering team as a Satellite Systems Engineer (payload), developing next-generation space radar systems. The individual filling this position will work with the systems engineering team to develop and maintain system-level requirements, budgets, and CONOPS.

Key Responsibilities

- Collaborate with engineering team to support full life cycle of satellite design, launch and operations of next- generation space radar system
- with vendors as the technical representative and subcontracts manager
- Develop and maintain general requirements and specifications for space, ground, and launch segments
- Perform system level analyses to support mission objectives
- Develop and maintain system level budgets such as mass, power, and delta-V
- Prepare engineering documentation, reports, test plans and contribute directly to payload and space vehicle assembly, integration, and test
- Working with engineering team, develop on-orbit CONOPS and procedures

Basic Qualifications

- Bachelor of Science in relevant STEM discipline
- 2+ years of relevant professional experience in the aerospace industry
- Demonstrated ability to contribute to spacecraft systems engineering tasks
- Experience working with and contributing to multi-disciplinary engineering teams
- Comfortable working in a dynamic and fast-paced development environment

Desired Qualifications

- Advanced degree in Astronautical Engineering or relevant technical discipline
- 5+ years of relevant professional experience as a mechanical, software, or systems engineer developing spaceflight hardware
- Recent experience with satellite AI&T or on-orbit operations
- Experience in C / C++ and Python
- Professional knowledge of Satellite Toolkit (STK)

Benefits

- Flexible Vacation / Paid Time Off
- Medical, Dental, Vision, 401(k)
- Stock Options

Location

- Santa Barbara, CA

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Additional Requirements

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire. All persons hired will be required to be a U.S. citizen, a lawful permanent resident of the U.S., or protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State. Umbra is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

To apply: Email resume to careers@umbralab.com