



Spacecraft Systems Engineer

Umbra Lab, Inc. is a technology company in Santa Barbara, California. Umbra operates in a dynamic, fast-paced environment and is offering competitive industry salaries with equity options for driven individuals. Umbra is looking for a talented, mission-driven professional to work closely with a multidisciplinary engineering team as a Spacecraft Systems Engineer, 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. Final scope of responsibilities will be dependent on experience.

Key Responsibilities

- Collaborate with engineering team to support full life cycle of satellite design, launch and operations of next-generation space radar system.
- Interface 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).

Additional Requirements

To conform to U.S. Government space technology export regulations, the applicant must be a U.S. citizen, a lawful permanent resident of the U.S., 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. Learn more about ITAR here: https://www.pmdtc.state.gov/?id=ddtc_kb_article_page&sys_id=24d528fddbfc930044f9ff621f961987

Benefits

- Professional Work Environment
- Flexible Vacation / Paid Time Off Policy
- Medical, Dental and Vision

About Umbra Lab, Inc.

Umbra Lab, Inc. is a venture-backed space company developing next-generation space systems. We are looking for mission-driven professionals to join Umbra Lab. We are building a bold, experienced team of payload developers and spacecraft systems engineers to aggressively expand the state-of-the-art for commercial remote sensing. Join our team to embark on an exciting, innovative and meaningful career. Every team member will have a significant and essential impact, and career growth is unlimited. The industry is just beginning meteoric growth – this is a chance to change how humans and machines use data.