



Operations Systems Engineer

Umbra Lab, Inc. is a Santa Barbara, CA space company developing next-generation space systems. We are looking for mission driven professionals to join Umbra Lab. Join our team to embark on an exciting, innovative and meaningful career. Every team member can have a significant and essential impact, and career growth is unlimited. The commercial remote sensing industry is experiencing meteoric growth – this is a chance to change how humans and machines use data from space.

We are looking for a talented, mission-driven professional to work closely with a multidisciplinary engineering team as an Operations Systems Engineer, developing next-generation space radar systems. The individual filling this position will work closely with the Satellite Systems Engineer and provide operational insights and guidance to the flight and ground software development teams. 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.
- Work with engineering team to develop on-orbit CONOPS and procedures.
- Provide operational expertise to ground and flight engineering and software development teams.
- 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.
- Prepare engineering documentation, reports, test plans and contribute directly to payload and space vehicle assembly, integration, and test.

Basic Qualifications

- Bachelor of Science in relevant STEM discipline.
- 5+ years of relevant professional experience with a significant portion made up of on-orbit operations.
- 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.
- 7+ years of relevant professional experience with a significant portion made up of on-orbit operations.
- Recent experience with satellite AI&T and on-orbit operations.
- Experience in C / C++ and Python or Matlab.
- Professional knowledge of Satellite Toolkit (STK).

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.

Benefits

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

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.

To apply: Email resume to careers@umbralab.com