



Jr. Satellite Systems Engineer (Internship)

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 intern to work closely with a multidisciplinary engineering team as a Junior Satellite Systems Engineer Intern (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.
- 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

- 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

- Recent experience with satellite AI&T or on-orbit operations.
- Experience in C / C++ and Python.
- 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.

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