Job Title: Electro-Optical Analysis Undergraduate Intern
Requisition #: 7988
Group: Engineering and Technology Group
Department: ELECTRO-OPTICAL SYSTEMS PERFORMANCE
Clearance Required: Secret
Duties: 10 week Summer internship from May/Jul to August 2016

Projects will involve modeling and simulation of electro-optical systems to include hardware analysis and software development of both ground- and space-based systems.

The Aerospace Corporation has provided independent technical and scientific research, development, and advisory services to national security space programs since 1960. We operate a federally funded research and development center (FFRDC) for the United States Air Force and the National Reconnaissance Office and support all national security space programs. We also apply more than 50 years of experience with space systems to projects for civil agencies like NASA and the National Oceanic and Atmospheric Administration, commercial companies, universities, and international organizations in the national interest.

From our inception, our highly skilled technical staff has focused on ensuring the success of every mission and developing the most effective and economic space-related hardware and software in the world. Our greatest asset is the technical expertise of our people. Our state-of-the-art laboratory facilities are staffed by some of the leading scientists in the world.

The Aerospace Corporation is an Equal Opportunity/Affirmative Action employer. We believe that a diverse workforce creates an environment in which unique ideas are developed and differing perspectives are valued, and that produces superior customer solutions. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, gender, gender identity or expression, color, religion, national origin, sexual orientation, protected veteran status, or disability status.

Qualifications:

**MINIMUM EDUCATION REQUIRED**
*Completion of the junior year of undergraduate study in a Physical Science or Engineering Degree program with a strong academic record.

**MINIMUM EXPERIENCE REQUIRED**
*Strong physical science and/or engineering background including astronomy, physics, statistics, computer programming, algorithm development, and/or image processing.
*Ability to effectively communicate (written and verbal) and work in a team environment.
*Strong mathematical background.
*This position requires the ability to obtain and maintain a security clearance, which is issued by the U.S. government. U.S. citizenship is required to obtain a security clearance.

**PREFERRED EXPERIENCE**
*Familiarity with any or all of the following: astronomy, Fortran, C/C++, data reduction, hardware design and development, optical design and/or theory

Interest Category: Scientist
State: California
City: El Segundo