Job Title: Atomic, Materials and Device Physics Intern
Requisition #: 8058
https://www.aerospace.apply2jobs.com/ProfExt/index.cfm?fuseaction=mExternal.showJob&RID=8058&sid=135
Group: Engineering and Technology Group
Department: ATOMIC/MATERIALS/DEVICE PHYSICS
Duties:

~10 week Summer internship from May/Jun to August 2016
Projects will involve applications of atomic physics to precise timekeeping or sensing.

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 freshman, sophomore, or junior year of undergraduate study in physics, chemistry, optics, electrical engineering or a related field.

MINIMUM EXPERIENCE REQUIRED
• Working knowledge of Microsoft Office
Ability to effectively communicate (written and verbal) and work in a team environment
Ability to think critically and formulate solution to complex problems.

PREFERRED EXPERIENCE

Familiarity with any or all of the following: spectroscopy, atomic physics, lasers, optics, electronics, Labview, Matlab
Current secret clearance or an ability to obtain one is desired

Interest Category: Technician
State: California
City: El Segundo
**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/June 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.

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**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