

Job Title: Entry Level Engineer - DSP
Requisition #: 6476
Group: Engineering and Technology Group
Department: RECONFIGURABLE TRANSCEIVER SYSTEM DEV
Clearance Required: Secret

Duties: **ESSENTIAL DUTIES AND RESPONSIBILITIES**

- Participate in the development of digital communication and navigation proof of concept and test bed systems
- Digital hardware development and testing
- System-level RF design and receiver software development in C/C++
- Real time embedded software development
- FPGA implementation
- Python coding, GI development, laboratory testing and measurement
- Work will involve close contact with department staff

Qualifications: **EDUCATION**

- BS in EE, CS or related discipline required
- Advance degree preferred

REQUIRED EXPERIENCE

- Laboratory experience

PREFERENCE GIVEN TO CANDIDATES WITH EDUCATION AND/OR EXPERIENCE IN:

- Digital signal processing, digital design
- Embedded SW development, GNU radio development, VHDL coding
- C/C++ development, Python experience
- Experience or class work involving embedded programming on an ARM processor in Linux or other RTOS
- Candidate must also have good written and verbal communication skills.

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.

This opportunity is located in El Segundo.

Also, all of our regular positions require the ability to obtain a US government issued security clearance at the secret level. The interested candidates should review the following state department link to see if they are eligible for a US security clearance:

<http://www.state.gov/m/ds/clearances/c10977.htm#2>