

Job Title: Junior Electrical Engineer

Requisition #: 6466

Group: Engineering and Technology Group

Department: WIRELESS AND NAVIGATION

Clearance Required: Secret

Duties: DUTIES:

- Design, simulation, test and/or application of digital communication and/or GPS hardware implementations.
- Analysis of signal processing transceivers using different simulation environments.
- Prototype of cutting edge real-time systems for emulation and proof of concept.
- Research pertaining to advanced signal processing, GNSS technology and/or reconfigurable communication processing.
- Document work products in briefings and/or technical reports to customers and colleagues.

Qualifications:

- B.S. degree in EE / CS or related field is required.
- Two years of experience since BS degree in the prototyping of digital communication systems and/or algorithms is required.
- Experience in some or all of the following: scripting languages (Matlab, Python, Pearl) , programming languages (C,C++,Java) and/or prior design experience in of VHDL\Verilog is preferred.
- Graduate degree related to design of communication and/ or GNSS signal processing hardware is preferred.
- Experience implementing communication algorithms using embedded software, multithreaded programming, DSP, FPGA and/or ADCs/DACs is desired.
- Candidate should have completed relevant coursework in communication theory, digital signal processing. A theoretical understanding and practical experience with modern communication and digital signal processing techniques is highly desirable.
- Strong written and verbal communication skills are necessary

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>