Electronics Systems Developer

Work for a dynamic and growing company developing advanced technologies for customers with challenging radio frequency and networking needs. Our ideas and products are revolutionizing the military and commercial use of spectrum.

Position Description

Seeking a highly motivated individual who will perform as part of a dynamic team developing the next generation of commercial and military wireless networking. The successful candidate will assist in the design, integration, and testing of prototype wireless communications systems. The successful candidate will also take on responsibilities related to oversight of laboratory operations. The work will primarily be performed in our offices in Tysons Corner; some travel to support field testing operations is possible. All tools and supplies are provided.

The position is currently projected for a 6 month duration at 40 hours/week with a possibility for long-term employment.

Responsibilities

- Develop hardware components and systems from specification worksheets and wiring diagrams, to include development of hardware designs; selection of hardware, RF, and electrical components; and analysis of predicted performance against specifications.

- Build and assemble hardware components and systems, to include soldering wire leads to board and between individual components; installing heat sinks, sockets, faceplates, and accessories on boards; and assembling enclosures.

- Assist in lab and field testing activities, to include development of test plans and procedures; conducting component and system-level testing; diagnosis and troubleshooting; setup and operation of test equipment; data collection and analysis using software tools; and documentation of system designs, configurations, and test results.

- Manage laboratory operations, to include coordination among projects using lab space and equipment; inspection and basic troubleshooting of lab equipment, and developing generating maintenance recommendations; development and maintenance of policies and procedures for use of lab space and equipment; general upkeep of lab space and equipment.

Experience Requirements

Successful candidates must have a minimum of three (3) years' experience and demonstrate skills in the following areas:

- Translating requirements and system specifications into hardware designs and component recommendations

- Working with vendors to find, evaluate, select, and order components

- Conducting analysis of evaluated performance relative to requirements

- Soldering of wires and electronic components

- Operating lab test equipment including voltmeters, signal generators, spectrum analyzers, and basic electronic tools
- Conducting component and system testing and conducting analysis of test data
- Creating documentation (Excel, Word and PowerPoint)

Desired Experience

Highly-desired candidates should also have the following experience and demonstrated skills:

- Developing and designing lab and field test plans
- Conducting field testing
- Developing and using custom data collection software in MATLAB and Python
- Using computer-controlled test equipment (MS Windows, Linux)
- Experience managing laboratory space and equipment

Education and Other Qualifications

- US citizenship or permanent resident (required)
- Electronics certification (desired)
- Ability to get a Secret clearance (desired)