



## **Embedded Software Engineer**

Parry Labs is seeking an **Embedded Software Engineer** to participate in the software development of wideband phased array (electronically steerable array – ESA) antenna products for mobile platforms. Located in Columbia, Maryland, the candidate will join our multi-disciplined engineering technical team, in the software development for phased array antennas through their complete life cycle, from concept through delivery.

Specific responsibilities for this position include:

- Software and algorithm requirements development, evaluation, and tracking
- Creation of software development plans, for embedded software implementations and system test environments
- Development of overall algorithms and embedded software for phased array antenna operation and control, and antenna terminal external interfaces
- Collaboration with embedded hardware engineer in executing the development, testing, and implementation of antenna controllers
- Development of simulators of hardware operation and various interfacing units, to facilitate testing throughout the hardware development life cycle
- Documentation of work product for management and customer program reviews

Desired qualifications this position include:

- BS in Computer Science, or related engineering/science/mathematics fields
- 10 years of software development experience, with a minimum of 5 years towards the application of phased array antennas
- Experience with implementing communications using SPI hardware protocols
- Experience in developing embedded software in a real-time operating system, a plus
- Experience with related software development, such as equipment control through LabVIEW, and embedded Linux environments for the development of basic port communication protocols, using C, python, or similar
- Experience in creating and developing software development plans
- Experience with requirements development, testing, and validation
- Familiarity with basic electronic laboratory equipment for hardware testing
- Excellent interpersonal skills, along with effective written and verbal communication skills, to communicate with a diverse team of many technical and managerial levels
- Some travel may be involved for this position

Candidates must be a US Citizen, and have the ability to obtain a US Government security clearance, and will be subject to a US security background investigation. An active security clearance is preferred.

**Parry Labs is an Equal Opportunity / Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, gender identity, and sexual orientation), national origin, age (40 or older), disability, genetic information, protected veteran status, or any other factor prohibited by applicable law.**