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**Embedded Software Engineer I (or Associate level, DOE)**

**Summary:** Designs, modifies, develops, writes, test and debugs embedded software applications and systems that are scalable and optimized. Systems include but are not limited to embedded software that will be controlling telemetry radios, GPS receivers, lasers and laser detectors, and other various Military Training equipment.

**Responsibilities/Skills:**

* Designs, develops, implements, tests and debugs embedded software
* Reviews code and software design
* Integrates existing software into new hardware designs
* Provides post production software support
* Interfaces and validates new or modified hardware designs
* Collects and analyzes design information, software requirements, and/or technical data
* Verifies design specifications, design requirements, and performs necessary calculations
* Determines data input/output requirements and equipment requirements
* Independently works on smaller software engineering projects
* Performs other duties as assigned

**Required Education/Skills:** Bachelor’s degree in Engineering with 2+ years experience in electronics, electrical design or logic required. 4+ years experience with an Associates degree will substitute. Proven working experience in software engineering. Proficiency in C programming language. Solid experience in embedded software design with preemptive and multitasking operating systems. Understanding of microprocessors, microcontrollers, serial and parallel bus interfaces. Strong documentation and writing skills. Ability to obtain Security Clearance required. Ability to travel may be required

**Desired Skills:**

* Understanding of FPGA, CPLD, and ASIC technology
* Working knowledge of Linux development tool chain
* Proficiency with Linux, especially Yocto, for embedded devices
* Working knowledge of source control tools like SVN
* Basic understanding of hardware design and layout

**Salary Range:** $48,847 - $67,164/DOE

**Equal Opportunity Employer/Affirmative Action**

# **VEVRAA/Sec. 503 Federal Contractor**

# **Veterans/Individuals with Disabilities/Women/Minorities**

Inter-Coastal Electronics, Inc. shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, age, gender, sexual orientation, gender identity or national origin. Moreover, these regulations require that we take affirmative action to employ and advance in employment individuals without regard to race, color, religion, age, gender, sexual orientation, gender identity, national origin, disability or veteran status.