



Embedded Software Engineer

The incumbent will be responsible for the full lifecycle of designing, developing, modifying, testing, debugging, and supporting new and existing firmware in a small team environment.

Specific Responsibilities:

- Capture requirements to ensure code meets customer expectations.
- Complete feature analysis and system design tradeoffs.
- Design, write, debug and release embedded microcontroller firmware for existing products and new product features.
- Define test requirements and processes to ensure product meets customer and reliability requirements.
- Conduct code reviews and apply best practices and adhere to REXA's coding standards.
- Troubleshoot, down to root cause, hardware/firmware issues within our current products.
- Create and maintain relevant documentation.

Minimal Qualifications:

- At least 5 years of embedded development experience.
- Bachelor's degree in Electrical Engineering, Computer Engineering or equivalent.
- Competency and extensive experience in embedded C/C++.
- Experience with designing and maintaining test applications written in Visual C#.
- Experience with digital communication protocols such as I2C, SPI, CAN, UART, and USB.
- Experience with device peripherals such as DMA, Timers, PWM, ADC and DAC.
- Proficiency with hardware debug/development tools such as oscilloscopes, logic analyzers and multimeters

Additional Qualifications

- Experience with ARM Cortex M microcontrollers.
- Experience with real time operating systems such as FreeRTOS
- Skilled using GNU compilers and debugging (GDB).
- Experience with make driven build environments based in Cygwin
- Proficiency with using software source control
- Familiarity of the AGILE software development process.
- Experience with test-driven-development (unit testing, code coverage, static analysis)

Equal Opportunity Employer - Minorities/Women/Veterans/Disabled