

Job Opening

The Embedded Software Programmer will be responsible for designing real-time micro-controller systems for various products such as aerospace, medical, and industrial. The position will work with different platforms and processors to create fully functional systems as well as analyze, document, or troubleshoot existing systems. Must have a broad range of experience including hardware and software design and development for micro-controller-based real-time embedded systems. C language is a must and familiarity with the TI DSP architecture is a plus.

Job Summary:

- Company: Elliott Tech, LLC
- Location: Holly Springs, NC
- Industries: Engineering Services
- Job Type: Full Time Employee or Part-time
- Years of Experience: 2+ Years
- Education Level: Bachelor's Degree
- Career Level: Experienced (Non-Manager)

Duties and Responsibilities:

- Responsible for the design, coding, testing, and documenting embedded software.
- Develop prototypes, new products or redesign legacy products.
- Provide Customer support and education when needed.

Prerequisite Skills and Education:

- Bachelor of Science degree in Electronics Engineering Technology, Electrical Engineering, Computer Science or equivalent work experience
- Candidate must possess extensive knowledge of both digital and analog circuitry
- 2+ years of analog and digital embedded systems development experience
- Must have excellent knowledge of real-time embedded systems
- Must have software development experience in C
- Visual Studio experience is a plus
- Battery power management experience
- ADC/DAC implementation
- Selection of peripherals and I/O devices
- Temperature and pressure sensor implementation
- Signal conditioning of load cells and other detectors
- National Instruments, LabView, and MatLab knowledge is a plus
- Excellent testing and troubleshooting skills
- Good communication skills