

Firmware & Software Engineer

Who we need: We are looking for a **Firmware & Software Engineer** to join our team. The primary purpose of this position is the development of firmware and software to create microcontroller-based laser measurement products using modern development practices and tools. Activities will include the specification, design, hardware startup, debugging, testing, and final verification of new and existing products. Self-management and motivation are key to success for this position.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Design, develop, and maintain application software and embedded firmware in C/C++ to perform real time time-of-flight laser measurement for professional, industrial, and consumer products
- Perform the bring-up of new product hardware, and work with hardware engineers to identify and resolve any problems
- Resolve critical timing issues related to high-speed asynchronous signals in real-time embedded systems
- Work with other engineers throughout the development process to evaluate the hardware and firmware interaction, function, and performance
- Work closely within a multidisciplinary team to develop product specifications, define operational and interface requirements, and create project plans and schedules
- Thoroughly document all aspects of the design and implementation of firmware and software, including design documents, algorithm definitions, source comments, and release documents
- Other duties as needed

REQUIREMENTS

- B.S. Electrical Engineering, Computer Science, Computer Engineering or equivalent
- Minimum 5 years of embedded C and/or C++ firmware development experience, especially PIC or ARM
- Strong embedded programming skills with a functional knowledge of hardware design and troubleshooting
- C# development experience for Windows highly desired
- Excellent analytical and problem-solving skills
- Must be able to work both independently and within a multidisciplinary team
- Good written and verbal skills
- Experience in the following packages and languages a plus: C#, Arduino, VHDL, gcc/cmake, git
- Must be able to lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds.
- This position is hybrid WFH and in the office.

This full-time exempt position is eligible for all LTI benefits including employer paid medical, dental, life, disability, and 401k with a match, and more. The pay for this position has a

minimum of \$80,000 annualized. The actual salary offer may be higher as we carefully consider a wide range of factors, including your skills, qualifications, experience, and location. Also, certain positions are eligible for additional forms of compensation such as bonuses.

How to apply: Qualified candidates please forward resumes to lpowles@lasertech.com Please reference job req # 102921E in the subject line. No agencies or headhunters please.

Laser Technology, Inc. is proud to be an Equal Opportunity Employer. Applicants are considered for all positions without regard to race, color, religion, sex, national origin, age, disability, sexual orientation, ancestry, marital or veteran status.