

# Embedded Firmware Engineer

**Who we are:** Laser Technology Inc. (LTI) [www.lasertech.com](http://www.lasertech.com) is a company devoted to the design and manufacture of innovative laser-based speed and distance measurement instruments, using ISO compliant and continuous improvement techniques. We maintain an intense focus on providing laser measurement technologies which address real world needs and applications, including speed enforcement, accident investigation, forestry, mining, utilities and surveying, to name just a few.

Our core products are engineered with pulse-laser technology (a.k.a. reflectorless measurement technology) resulting in the ability to measure both distances and speeds. We also specialize in tilt and compass sensors, allowing you to measure heights and azimuth bearings. Our mission from the beginning has been to provide quality products through innovation and dedication.

**Who we need:** We are looking for an Embedded Firmware Engineer at LTI who will develop firmware and software to create micro-processor 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.

## What you will do:

- Work closely within a multidisciplinary team to develop product specifications, define operational and interface requirements, and create project plans and schedules
- Design, develop and maintain 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 the new product hardware, and work with hardware engineers to identify and resolve any problems
- Work with other firmware developers and test engineers throughout the development process to evaluate the hardware and firmware interaction, function, and performance
- 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

## What you need:

Qualified individuals will have a minimum of:

- B.S. Electrical Engineering, Computer Science or equivalent
- Minimum 2 years of embedded C 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 or mobile applications highly desired
- Excellent analytical and problem-solving skills
- Must be able to work both independently and within a multidisciplinary team
- Good written and verbal communication skills
- Experience in the following programming languages a plus: C#, Java, Swift, VHDL, or Verilog

**How to apply:** Qualified candidates please forward resumes to [lpowles@lasertech.com](mailto:lpowles@lasertech.com) Please reference job req 2242017E in the subject line. No agencies or head hunters 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.