Embedded Firmware Engineer

Who we need: We are looking for a Embedded Firmware Engineer to join our team. This person 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:

- Design, develop and maintain embedded firmware in C/C++ and embedded Linux to perform real-time time-of-flight laser measurement for professional, industrial and consumer products.
- Design and develop software architecture and code for digital image manipulation, including machine vision and optical character recognition.
- Work closely within a multidisciplinary team to develop product specifications, define operational and interface requirements, and create project plans and schedules.
- Perform the bring-up of the new product electrical 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.
- Analyze and provide feedback on peer designs in an open and collaborative design review forum.
- Thoroughly document all aspects of the design and implementation of firmware and software, including design documents, algorithm definitions, flowcharts, source comments, and release documents.
- Duties to be performed in-office with work from home flexibility offered at the discretion of the Engineering Manager.
- Other duties as needed

What you need:

Qualified individuals will have a minimum of:

- B.S. Electrical Engineering, Computer Engineering or equivalent.
- Minimum 8 years of embedded Linux and C/C++ firmware development experience with a demonstrable history of products in the market.
- Strong background in real-time embedded systems development involving interaction with electrical hardware.
- Ability to define problems, collect data, establish facts, draw valid conclusions and drive to solutions.
- Strong embedded programming skills with a functional knowledge of analog and digital hardware design and troubleshooting.
- C# development experience for Windows applications highly desired.
- Recent experience in the development of integrated camera systems and digital image manipulation.
- Excellent analytical and problem-solving skills.
- Must be able to work both independently and within a multidisciplinary team.

- Working knowledge of electronic design, circuit theory, and troubleshooting PCBs of discrete, FPGA, and microcontroller designs.
- Good written and verbal communication skills.
- Must be proficient in Word, Excel, and Outlook. MS Teams, MS Project and GitLab a plus.
- Experience in the following programming languages a plus: Assembly, Python, iOS application development.

This full-time exempt position is eligible for all LTI benefits including employer paid medical, life, and disability. As well as dental, vision, 401k with a match, and more. The pay for this position has a minimum annualized rate of $100,000. The actual pay rate 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 092724E 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.