



3300 Commercial Ave, Madison, WI 53714 | www.OnLume.com

Senior Firmware Engineer

OnLume Surgical is creating the future of medical imaging devices for image-guided surgery. We are a growing team based in Madison, WI that enjoys collaborative and iterative development. OnLume is seeking a firmware engineer to design, implement, and maintain OnLume's embedded system firmware.

Responsibilities:

- Design, implement, and maintain embedded microcontroller firmware
- Interface with various peripheral components in OnLume's imaging systems
- Extend and manage embedded subsystem communication
- Prototype new interfaces and functionality
- Create and maintain relevant documentation
- Collaborate with team members, e.g., for system design and integration

The Ideal Candidate Is/Has:

- Proficient in embedded C / C++ firmware development
- Experience developing and debugging with ARM microcontrollers
- Experience with common microcontroller peripherals, e.g., SPI, UART, ADC, DMA, etc.
- Experience with embedded real-time operating systems
- Experience developing under FDA Design Controls and IEC 62304 Medical device software life cycle processes
- Strong interpersonal and organizational skills
- Good communications skills, both oral and written

Required Education and Experience:

- BS (MS preferred) in electrical engineering, computer engineering, computer science, or related field with more than 3 years' similar experience

This Job Is Ideal for Someone Who Is:

- Collaborative - enjoys passion-driven teamwork
- Autonomous - able to work independently
- Innovative - prefers working in unconventional and creative ways

Compensation:

- Benefits include medical, dental, vision, life, and short-term disability insurance, PTO, and holiday pay
- Title and responsibilities are commensurate with experience

Job Type: Full-time

COVID-19 considerations: Remote work is optional due to COVID-19.

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Questions? Please contact: `careers+0fd546b` at OnLume dot com