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## Embedded Firmware Engineer

**Ocean Sonics Ltd.** ([www.oceansonics.com](http://www.oceansonics.com)) is a growing, innovative, Ocean Technology company that designs and manufactures Smart Hydrophones used to improve the quality and success of underwater sound measurements. We require an **Embedded Firmware Engineer** who can work with our team developing firmware for use with our Smart Hydrophone, products, and accessories.

### Responsibilities

- Prototype, design, implement, test and deliver highly robust and efficient embedded firmware solutions for our products
- Write clean, structured, tested and, maintainable code
- Create and update software product **documentation**
- Understand product requirements, engage with team members to define solutions

### Requirements

You are a curious, dedicated, and highly motivated person with a positive attitude who is eager to learn and ready to join an innovative company with few formal procedures and limits.

- Bachelor's Degree in Computer Science, Engineering or equivalent
- Minimum 3 years of experience in embedded firmware design (preferably C/C++)
- Analytical, detail-oriented, and data-oriented with a passion for problem-solving
- Experience working with and architecting multithread, real-time programs
- Ability to follow software standards
- Ability to work as part of a team on new and existing firmware development
- Eligible to work in Canada

### Related Skills Requirements

- Development experience with 32-bit processors (ARM cortex)
- Deep understanding of DMA, interrupts, UART, SPI, I2C, Timers.
- Experience with low power design and Real-time operating systems
- Experience with Git
- Excellent written and verbal communication skills

## **Compensation and Benefits Details**

- Competitive salary
- Flexible work schedule
- Health plan
- A wonderful new building designed for the employees to enjoy and a culture of caring for the planet and each other.

If you are interested in this exciting challenge, please forward a copy of your resume and cover letter in pdf format to [resumes@oceansonics.com](mailto:resumes@oceansonics.com) .