Firmware Development engineer

Education Desired:
Bachelor's degree in Computer Science, Computer Engineering, Electrical Engineering or equivalent experience

Essential Job Functions:
Candidate will join a growing team developing next generation systems integrating high precision sensing technologies with advanced shock and vibration designs in a variety of applications under harsh environments. Job responsibilities include development of firmware and design and implement system software solutions to provide a high performance and robust embedded platform to application teams.

Experience Desired:
- 3 to 5 years of hands-on experience is desired
- Design and implement software of embedded devices and systems from requirements to production and commercial deployment
- Firmware development for embedded devices, ARM cortex M3, M4 and microchip dsPIC33.
- Design, develop, code, test and debug system software
- Interface with hardware design and development

Knowledge Desired:
- Embedded system development
- Firmware development
- Expert knowledge in C/C++, C#
- Interface protocols including USB, CAN, SPI, I2C, RS232, Uart
- Target platforms including FPGAs, microcontrollers, digital signal processing
- Knowledge of Matlab, Simulink, Real time Workshop, Altium is a plus
- Knowledge of electronics, including the use of basic test equipment such as oscilloscopes and multimeters
- Knowledge of reading schematics and data sheets for components

Essential Physical/Mental Requirements:
- Excellent written and oral communication skills
- Works independently to execute work plans, provide status updates and adjust to changing requirements.
- Strong documentation skills

Special Requirements:
U.S. citizenship or permanent resident status required.