

PRECO Electronics  
Embedded Software/Firmware Engineer  
Boise, Idaho

**Overview:**

This engineering position will provide technical expertise in the design and development of embedded systems and computer based systems, focused on overall system development. The individual will be part of a small engineering team.

**Primary Responsibility:**

This position will be responsible for the design, development, testing, and maintenance of software applications and support tools for PRECO Electronics' radar sensor family.

- Designs and implements software for embedded processors and DSPs to complement the hardware for cost conscious solutions in vehicle safety systems.
- Experience with inter-board communication using serial, I2C, SPI or similar methods.
- Experience with communications protocols such as CAN and Ethernet a plus.
- Experience in design verification and validation, including design reviews, code reviews, test plans, etc.
- Digital signal processing, experience a plus.
- Experience with advanced radar processing techniques and ability to develop custom algorithms to meet the needs of the customer.
- Experience with digital wireless protocols.
- Use of advanced development/debugging tools; e.g. C compilers, linkers, ICE, logic analyzers, etc.
- Experience with a variety of processor platforms
- Ability to work and communicate well in a small team environment is a must.
- Other duties as directed by engineering manager.

**Other Characteristics of the position:**

- Team Player
- Good communication skills
- Seeks and participates in development opportunities above and beyond required training
- Suggests areas for improvement in internal processes along with possible solutions
- Works cross functionally
- May travel up to 10-20% as needed

**Education/Experience:**

Bachelors in Computer Science, Electrical Engineering, or Computer Engineering and 3-5 years of experience in software design and development.

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