

PRECO Electronics, LLC.
Excellence in Electronics

Digital Signal Processing / Radar Signal Processing Engineer
Chandler, AZ

Overview:

This engineering position will provide technical expertise in the design and development of digital signal processing (DSP) algorithms, focused on radar target tracking and classification. The individual will be part of a small engineering team. This position will also be responsible for the design, development, testing, and maintenance of existing algorithms and techniques for PRECO Electronics' radar sensor family.

Desired Background:

- Digital signal processing and algorithm development experience
- Object tracking using extended Kalman filter
- Designs and implements algorithms for embedded processors and DSPs to complement the hardware for cost conscious solutions in vehicle safety systems
- Experience with advanced radar processing techniques desired
- Ability to develop custom algorithms to meet the needs of the customer
- Experience with a modeling language, ie Python, Matlab, etc.
- Image signal processing experience a plus
- Experience with a variety of processor platforms
- Experience in design verification and validation, including design reviews, code reviews, test plans, etc.
- Ability to work and communicate well in a small team environment is a must
- Experience with communications protocols such as CAN and Ethernet a plus
- Use of development/debugging tools; e.g. C compilers, linkers, ICE, logic analyzers, etc.
- Other duties as directed by Engineering manager

Job Duties/Expectations:

- 5+ years of experience in software/firmware design and development
- May travel up to 10-20% as needed

Education:

- Bachelors in Computer Science, Electrical Engineering or Computer Engineering

Job Type:

- Full-time; located in Chandler, AZ

Please send resume and cover letter to hr@preco.com

Salary: DOE. Competitive and comprehensive benefits package offered

Please visit www.preco.com for more company and product information