

Electronics Engineer II/III

A dynamic Tri-Valley company specializing in radar cross section (RCS) measurements with emphasis on radar systems, data reduction and analysis, algorithm development, and field measurements is looking for a motivated Electronics Design Engineer to join their talented team. Sensor Concepts Incorporated is located off 580 and Greenville Rd., providing easy access to South Bay and Valley commuters. You can learn more about our company by visiting our website at: www.sensorconcepts.com.

Position hours are Monday through Thursday 7:30 a.m. -5:00 p.m. and every other Friday 7:30 a.m. - 4:00 p.m.

POSITION HIGHLIGHTS

This individual will be part of a team of engineers who are responsible for designing, analyzing and coordinating the production of the electrical, electronic and embedded firmware for our cutting-edge radar measurement and analysis systems. This position is responsible for realizing creative solutions to electronic design problems given high-level requirements. Primary job functions will include analog and digital circuit design, PCB schematic entry and layout, as well as hardware debugging and test. This individual must be creative with regard to improving the process, yet be disciplined when performing routine and repetitive tasks. This position offers an ideal opportunity to grow with the company.

RESPONSIBILITIES

- Analog circuit design and layout including; power supplies, amplifiers, ADC drivers
- Digital circuit design and layout including; FPGAs, Microcontrollers, High-Speed Memory
- PCB design from concept through schematic and layout.
- Design verification and testing to include initial bring up.
- Creation of interface control documents for firmware and software development.
- Support and develop test programs and procedures.
- Contribute to system level design including chassis layout and interconnects.

REQUIREMENTS

- 3 - 6 years hands-on PCB design experience, to include schematic generation and board layout
- Strong signal and systems analysis skills
- Demonstrated experience in design, development and test of electronic systems and components.
- Working knowledge of FPGA and microcontroller architectures
- Ability to debug and troubleshoot from system to component level.
- Ability to communicate across disciplines.
- Ability to prioritize in a dynamic environment.

OTHER SKILLS:

- RF/Microwave experience a plus.
- Firmware development a plus.
- Familiarity with current generation of interfaces, to include Ethernet, RS-232, GPIB, USB, and SPI protocols a plus.
- Experience in regulated design environment a plus - specifically, ISO/AS registered.
- Excellent verbal and written communication skills.
- Understanding of electromagnetics and circuit simulation
- Ability to work independently and as part of a small team.
- Fluent with MS Office products, to include Outlook, Word, Excel, and Powerpoint.
- Physical ability to lift or assist in lifting large items up to 50 lbs
- Flexible and adaptable to meet changing needs within the department

EDUCATION

This position requires a BS degree Electronics Engineering or related field as a minimum.

Please send resumes to: recruiting@sensorconcepts.com

Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information which includes US Citizenship.

SCI is an EEO/AAP employer