Electronics Engineer III

Raptor Scientific, a global Aerospace & Defense test and measurement company, is seeking a motivated individual looking to grow their career and join our RF Systems (RFS) group. This individual will be part of a team of engineers who are responsible for design, development, integration, troubleshooting and support of RF, electronic and embedded designs 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 include analog and digital circuit design, PCB schematic entry and layout, embedded software design, as well as hardware debugging and test. Also, includes integration of designs into the RFS systems, demonstrating improved performance and capabilities. This individual must be a self-starter and creative with regard to improving the process yet be disciplined when performing routine and repetitive tasks. This position offers an ideal opportunity to provide growth to the individual and to RFS.

As part of the Raptor Scientific Family, the RFS group specializes in radar cross section (RCS) measurements and is constantly innovating to produce next generation radar systems. RFS has a multifaceted team that develops cutting-edge measurement systems in support of the Aerospace and Defense industry. Our team is focused on customer needs and providing full spectrum support including engineering, field measurement, software development and manufacturing.

We are conveniently located off 580 and Greenville providing easy access to South Bay and Valley commuters. You can learn more about our company by visiting our website at: Global Provider of Test & Measurement Solutions | Raptor Scientific (raptor-scientific.com). The full-time hours for this position are Monday through Thursday, 7:30 a.m.–5:00 p.m. and every other Friday 7:30 a.m. - 4:00 p.m. Full benefits package available after 30 days.

Salary Range - $110,000 – $150,000 depending on experience.

RESPONSIBILITES

- Analog circuit design and layout; power supplies, amplifiers, ADC drivers, motor drivers.
- Digital circuit design and layout; FPGAs, Microcontrollers, High-Speed Memory.
- PCB design from concept through schematic and layout using PADS.
- Embedded software design, coding, test and support.
- Design verification, integration and testing at sub-assembly and system levels.
- Create test plans and procedures.
- Contribute to system design including chassis layout, wire assemblies and interconnects.
- Support engineering builds and transition to manufacturing.

REQUIREMENTS

- Bachelor of Science in Electronics Engineering or related field.
- 5-8 years hands-on analog and digital PCB design experience; includes design, schematic generation, board layout using PADS, prototyping and verification of the PCB.
- Demonstrated experience with current generation of interfaces; Ethernet, RS-232, USB, SATA and SPI protocols.
- Ability to debug and troubleshoot from system to component level.
- Clear communication skills, both written and verbal.

OTHER SKILLS:

- RF/Microwave experience a plus.

- Experience in a regulated design environment a plus - specifically, ISO/AS registered.
- Ability to prioritize in a dynamic environment.
- Ability to work independently and as part of a small team.
- Fluent with MS Office products; Outlook, Word, Excel and Powerpoint.
- Physical ability to lift or assist in lifting large items up to 40 lbs.
- Ability to stand for up to 4 hours a day and/or sit, type and use mouse for up to 6 hours a day.

Please send resumes to: RFS-recruiting@raptor-scientific.com

This position requires use of information which is subject to the International Traffic in Arms Regulations (ITAR). All applicants must be a U.S. person as defined by ITAR regulation.

Raptor Scientific RF Systems is an affirmative action/ equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, marital status, national origin, ancestry, sex, sexual orientation, disability, medical condition, protected veteran status, age, citizenship, or any other characteristic protected by law.