



Electrical Engineer

Job Overview: As an electrical engineer on Space Vector's team, you will join a dynamic small company environment where you will take on many diverse engineering tasks, on programs that make a big difference to the United States and our allies. You will support multiple programs at any one time, multiplexing across products including advanced batteries, intelligent chargers, sounding rockets and target vehicles, rocket components like commanded switches, RF filters and amplifiers, and critical subsystems like flight termination systems. You will design using Altium and Solidworks, test your breadboards and development units in our development labs, present to customers and oversee the eventual production, assembly, and test. You may write and validate your own software and firmware, and you may select or develop key suppliers. You will join a collaborative, supportive team who will help with mentoring and will peer-review your work products. You may join the team on their daily walk through the neighborhood, enjoy the patio or pinball, or work out in our gym.

Responsibilities and Duties:

- Work shoulder-to-shoulder with our customers to understand key requirements and derive critical features into your design approach.
- Design your own products, including circuit and board design, and product design, harnesses, connectors, software, firmware/FPGAs. Review your progress in peer reviews.
- Produce your own drawings, consistent with ANSI Y14.5 and our Space Vector drawing standards.
- Present your work products to customers in weekly status meetings or formal design reviews
- Get in the development lab to build your own breadboards or send your design to one of our many 3D printers to ensure a consistent and thoughtful design validation approach.
- Develop a testing approach in collaboration with the customer, write the test procedures and shepherd them through the customer review process.

Qualifications:

- A Bachelor's Degree in Electrical Engineering.
- Must be able to work well with others. Effectively communicate with customers, coworkers, and management both verbally and through email.
- Must have strong reading, proofreading, reasoning, and analyzing skills to interpret military specifications and schematics.
- Must be able to meet the requirements for a secret level security clearance.
- Prefer experience with Altium
- Prefer experience with FPGAS