RISE™Robotics

Position: Principal Electrical Engineer

RISE™Robotics is a technology company that has developed a completely new, fluid-free, electric alternative to hydraulic cylinders, RISE™Cylinder, for heavy equipment and machinery. RISE™Technology enables OEMs to deliver battery-electric products to their clients at diesel-hydraulic-equivalent or better performance, reliability, runtime, and cost. The key differentiator is RISE™Cylinder uses 65-90% less power than hydraulic cylinders.

Role

RISE™Robotics is looking for a Principal Electrical Engineer with experience in mixed-signal IC design, controls applications, and power electronics. You should also have significant experience in both schematic capture and layout, preferably using Altium Designer.

The perfect candidate will strike a balance between operating independently and collaborating with teammates and co-workers. You will be joining a growing team, with the potential to scale the role into team leadership as we expand, as well as the opportunity to help shape the right set of procedures and workflows to help us operate efficiently today.

Responsibilities

- Design of PCBs used in a variety of applications, from direct motion control, to sensing, to communications and RF
- Lead the design of systems, taking product and engineering requirements documentation and producing conceptual and detailed design documents
- Schematic capture and layout of PCBs using Altium Designer
- Participate in review and documentation of proposed RISE™Cylinder applications
- Design and execute board and system level electronics tests for bringup and validation
- Shape and implement team processes to enable efficient communications and team scaling
- Assemble and rework electronics as necessary
- Maintain and improve components libraries in Altium, and assist in producing standards documentation
- Participate in manufacturing processes including test design, vendor qualification and QA
- Provide training and mentorship to other team members, and foster a culture of growth and collaboration
- Assist in recruiting and hiring processes across engineering as necessary

Requirements

- 7-10 years experience with design, prototyping, and validation of electromechanical systems including electric vehicles, autonomous vehicle, robots, or material handling apparatus
- Significant experience designing electronics including PCBs, wiring harnesses, and systems used in the control of electromechanical devices
- Experience with opening and maintaining vendor relationships
- Have developed and shipped a product, participating in the full product lifecycle

Preferred skill and experience

- Experience writing embedded software, and the willingness and ability to participate in the embedded software development cycle
- Experience designing products to be compliant to regulated industry standards to include medical, defense/aerospace, and/or automotive
- Has shepherded a product through one or more regulatory and compliance cycles as above
- Significant experience designing with Altium Designer

Benefits:
- Health, dental, life, and disability insurance
- Blue Cross Blue Shield health insurance policy- RISE™ pays 70% of the premium
- Stock incentive plan
- Company outings
- Twenty days PTO and ten office holidays

RISE™Robotics is an equal opportunity employer that values diversity at all levels. All individuals, regardless of personal characteristics, are encouraged to apply.