Our growing company is searching for experienced candidates for the position of embedded hardware engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for embedded hardware engineer

- Execution of DVM's to confirm cyber-security compliance on new vehicle programs
- Assist with early program resource and project planning relative to Embedded Engineering personnel and deliverables
- Work as a member (or lead) of a team on projects, integrating aspects of design work from other engineers (mechanical, electrical, and software) to complete design and development of new products
- Design circuits for the use in power supplies, controllers, interface devices, actuators, and any other required electrical device necessary for the control and processing of signals or data in the function of medical devices
- Assist in the development of product engineering requirements
- Work closely with Engineering Project Coordinators and Technical Leads to ensure compliance and effectiveness of Product Development Process
- Contribute to system level hazard analysis and generate design proof test guidelines for products
- Document the product by providing detailed hardware and software specifications for completion of specification sheets, part drawings, and assembly drawings
- Directs drafting in the documentation of the product by providing input for completion of specification sheets, printed circuit board artwork, layout documents, printed wiring assemblies, and electronic assembly drawings
- Leads prototyping the design including sourcing of materials for initial

Qualifications for embedded hardware engineer

- PCB designed experience
- Flexible, as some out of hours and weekend working may be required
- Prior experience with analog output protocols (4-20mA and voltage) and digital communication protocols (RS-232, RS-485, Modbus, HART, CAN)
- Experience with MATLAB Simulink would be a plus, general knowledge of aviation and/or flight control systems
- Generate and execute test procedures to verify product performance against requirements
- Support product manufacturing by supplying alternate sourcing advice including vendor or component analysis, alternate manufacturing process deviations, and cost improvement design changes