Our growing company is looking to fill the role of electrical engineer / electronics engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for electrical engineer / electronics engineer

- Incorporates reliability analysis during the design and test process
- Performing analyses for affordability, safety, reliability, maintainability, testability, human systems integration, system security, and other specialties' quality factors into a preferred configuration to ensure success
- Product level electrical design including component selection, thermal system design, mechanical packaging concepts, and interconnection hardware selection/design
- Additional activities to perform from time to time in order to maximise the contribution to the company's goals and objectives
- Ensuring the development and manufacturing costs for new projects can be minimised
- Delivery of work packages to time, cost and quality requirement
- Ensuring compliance of the design to the technical, business and project requirements
- Ensuring the design is under suitable configuration control
- Involve in the early exploration phase of the new product design and development programs, and contribute in design decisions of the architecture of the product
- Execute and document prototype through production circuit designs with internal laboratories, and vendors, including testing and validation

- Understand and deal with the fact that a schematic may represent only half of the effective components in a circuit when parasitics and crosstalk are considered
- Excellent English communications skills and ability to interface with other Engineering, Manufacturing, Quality groups to solve electrical/mechanical/packaging problems
- The ability to understand the consequences of digital designs and their impact on analog performance
- Understanding the principals of TDR, Network Analyzer, Sigma-Delta ADCs, FIR filters, DSP, etc is a plus but not required
- Direct experience in the design of seismic data acquisitions systems is a plus but not required
- FPGA/VHDL/Vivado design experience is a plus