Position: Electrical Engineer

UltraCell is a global leader in research, development, and production of fuel cell systems for portable power applications.UltraCell was founded in 2002 to commercialize advanced micro fuel cell technology invented by Lawrence Livermore National Laboratory. In 2011, UltraCell became a wholly owned subsidiary of Bren-Tronics, Inc. UltraCell fuel cell systems are compact and light weight. They have undergone extensive Military Specification qualification testing and field trials.

Address: 5637 La Ribera Street, Suite A, Livermore, California 94550

UltraCell has an immediate opening for an electrical engineer. The electrical engineer will be responsible for defining, designing, and developing control systems for UltraCell's fuel cell products.

Key Duties
- Specifies, designs, collaborates with contractors and vendors to fabricate PCBs for UltraCell fuel cell products
- Designs and develops firmware to control fuel cell systems consisted of pumps, compressors, fans, electric heaters, solenoid valves, miniature chemical reactors, fuel cell stacks, DC/DC converters, etc.
- Designs, fabricates, and debugs custom circuitry
- Develops embedded software and graphical user interfaces for test equipment
- Modifies existing circuit designs and embedded software to achieve improved performance, cost and reliability
- Oversees fabrication and procurement of electrical components and harnesses

Requirements
- US Citizenship
- Bachelor's degree in Electrical Engineering
- 1 – 5 years related work experience
- Experience in design and analysis of embedded systems, digital and analog circuits
- Experience with standard PCB design tools (OrCAD, PADS, etc.)
- Experience with programming in C and C++
- Excellent skills working with electrical components (PCB, high voltage components, wiring interconnects, and digital/analog I/O)
- Excellent analytical abilities and problem-solving skills
- Attention to detail
- Excellent verbal and written skills
- Ability to work in a multidisciplinary team