

## Senior/Principal Electrical Engineer

We seek a Senior/Principal Electrical Engineer to join us in the transfer to manufacturing of our current generation of robots and the development of the next generation platform. In this position you will be part of a small, creative, and agile team that integrates sensors, BLDC motors, motion controllers, actuators, sensors, battery systems, and a User Interface to build autonomous robots that are doing demanding physical labor in real world environments. Applicants must have experience developing electro-mechanical products from inception to production and service.

We are looking for a strong technical contributor with excellent design and team skills that can independently lead projects to conclusion on time and budget relying on internal and/or external resources.

### Job Duties:

- Support/Debug/DVT/Develop manufacturing test of current generation electronics
- Develop new product concepts and lead the design, manufacturing and board bring-up process
- Oversee / direct / manage regulatory testing and documentation
- Support firmware development and debug

### Qualifications:

BSEE/MSEE preferred.

10/15 years relevant experience.

Training and/or experience in the following areas apply:

- Battery (smart) powered systems
- Distributed power electronics
- Digital design (LVCMOS discrete logic, SPI, I2C/SMBus, UART, I/O)
- Motor controller circuit design
- Sensors (Accelerometers, Gyros, Optoelectronics, Hall-effect, Shaft encoders)
- Design for EMC/ESD immunity, transient protection, chassis grounding, etc.
- Microprocessors (ARM Cortex A8 (or newer), DRAM, FLASH, USB, DMA, Vectored Interrupts)
- PCB design (Orcad/Allegro and/or PADs, FAB, Assembly, Test)
- Experience with high vibration environments, conformal coating beneficial