Magneto Sports
Electrical Engineer Position
Carlsbad, CA

Overview
Magneto Sports is a startup located in Carlsbad California who design and manufacture longboards and electric skateboards. Currently, we are in the production phase with our first electric skateboard and are looking to make improvements for the next generation. We are looking for a self-starter with a keen interest in personal/consumer electronics to help us design and build a custom ESC (electronic speed controller) to control a BLDC motor. The role is a part time position (or contract work) with the potential to develop into a full time roll as the business grows.

Job Description
- Work with our engineers to understand the specifications and performance criteria of the project.
- Lead the design and development of a custom BLDC motor controller using readily available off the shelf components.
- Prototype and test to validate the design.
- Supply final design to vendors to be converted into a mass production solution.

Qualifications
- Hands on experience designing hardware and software in electronics.
- Solid understanding of motor mechanics and control theory.
- Able to select appropriate off-the-shelf components based on data sheet specifications.
- Ability to travel to Carlsbad at least once a week during the project.
- Experience with sensorless BLDC motor control preferred.
- Grad student or senior level undergrad preferred.

Hours/Contract
- Negotiable based on the candidates schedule and availability.
- Expected to be at our Carlsbad office at least one day a week.

Applications
All interested parties should contact Andrew Curtis at Andrew@magnetoboards.com with their contact information and a resume.