EVIDENT BATTERY

Electrical Engineering Intern

Description

Are you ready to join a dynamic community of innovators? **EVident Battery**, a fast-growing startup based in **Westford, MA**, is at the forefront of revolutionizing the EV battery industry.

EVident Battery develops a cutting-edge, non-destructive inspection and scanning solution for EV battery packs. Our technology integrates advanced inspection hardware and AI analytics software to enhance transparency and certainty within the EV market.

Opportunity for Electrical Engineering Intern

As an Electrical Engineering Intern on the EVident Battery team, you will play an integral role in supporting the development, testing, and validation of our innovative hardware systems. You will work closely with a cross-disciplinary team of engineers to prototype, evaluate, and optimize electrical and embedded systems that enable our battery inspection technology. This is an exciting opportunity for a hands-on, motivated individual looking to contribute to the future of electric vehicles (EVs).

Responsibilities:

- **Hardware Development**: Assist in the design, prototyping, and testing of PCB assemblies, embedded systems, and sensor interfaces used in our inspection systems.
- **Testing & Validation**: Set up and run experiments to validate hardware functionality, troubleshoot issues, and help analyze performance of electrical components in lab and field environments.
- **Firmware & Signal Processing**: Support the development and testing of embedded firmware (e.g., STM32) and contribute to signal acquisition and processing workflows.
- **Documentation & Reporting**: Document schematics, test procedures, data logs, and findings to support continuous development and quality control.

- **Cross-functional Collaboration**: Work with mechanical, software, and AI teams to ensure successful integration and performance of electrical subsystems within the larger product architecture.

Qualifications:

- Strong foundation in electrical engineering principles, including circuit design, embedded systems, and signal processing.
- Coursework or experience in analog and digital electronics, microcontrollers, and sensors.
- Familiarity with tools such as Altium Designer, LTspice, Oscilloscopes, Logic Analyzers, and Multimeters.
- Experience with embedded C/C++, STM32 or Arduino-based systems is a plus.
- Knowledge of battery systems, power electronics, or electric vehicle architecture is a bonus.
- Ability to work in a fast-paced, collaborative environment with strong problem-solving skills.
- Clear communication and documentation skills for reporting technical work and test results.

Requirements:

- Pursuing a BS or MS degree in Electrical Engineering or a related field.
- Demonstrated ability to take ownership of tasks and deliver results with minimal supervision.
- Willingness to be hands-on, iterate quickly, and adapt to evolving project requirements.

Compensation:
Pay offered may vary depending on multiple individualized factors, including job-related knowledge, skills, and experience.