



Mechanical Engineering Intern

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 Mechanical Engineering Intern

As a Mechanical Engineering Intern on the Evident Battery team, you will have the opportunity to support the development, production, and operational processes of cutting-edge hardware technologies. You will work closely with experienced engineers across various disciplines to assist in validating and improving hardware solutions to ensure they meet high industry standards. This is an exciting opportunity for an individual passionate about learning and contributing to the development of electric vehicle (EV) technologies.

Responsibilities:

- **Technology Development:** Assist in the exploration and development of new technologies to improve hardware performance. Perform vibration analysis through physical experiments and the use of finite element analysis (FEA).
- **Product Development:** Support the design, prototyping, and testing of mechanical components. Help with manufacturing processes and work alongside engineers to ensure the successful integration of mechanical and electrical systems.
- **Documentation & Reporting:** Assist in documenting designs, test results, and improvements. Maintain organized records for project tracking, and help generate reports to support ongoing research and development.

- **Cross-functional Collaboration:** Support hardware and software engineers by providing data, testing results, and clear documentation to aid in R&D efforts. Gain exposure to multidisciplinary team collaboration.
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Qualifications

- Strong foundation in mechanical engineering principles, including vibration analysis, engineering mechanics, and material science.
 - Basic experience or coursework in mechanical testing and failure analysis of metals, polymers, and composites.
 - Familiarity with engineering tools such as CAD software (SolidWorks or equivalent), MATLAB, Python, and Finite Element Analysis (Ansys/Abaqus) is a plus.
 - Knowledge of battery technologies or electric vehicle systems is optional but a bonus.
 - Ability to work in a fast-paced environment with a strong interest in learning and contributing to innovative solutions.
 - Good communication skills to effectively collaborate with cross-functional teams.
 - Strong organizational skills to maintain clear and detailed records of experiments, data, and designs.
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Requirements:

- Pursuing a BS, MS, or PhD degree in Mechanical Engineering, Electrical Engineering, or Material Science
 - Remain engaged, proactive, and positive in tough circumstances. Own assignments and take full accountability for their success, with the ability to change direction quickly.
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Compensation:

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

