



Electric Era was founded to revolutionize the world's electric vehicle charging infrastructure. We are designing, building, and testing high C-rate batteries to provide the necessary charging infrastructure innovation needed for the affordable and timely electrification of transportation.

Battery Mechanical Engineering Intern:

Electric Era is designing, building, and testing high power batteries to provide the necessary charging infrastructure needed for the affordable and timely electrification of transportation. Our high power batteries will be a critical infrastructure piece of the electrical grid and will complement the deployment of low operational & capital cost fast charging infrastructure around America.

The Battery Mechanical Engineering Intern will own critical structural, fluid, and thermal systems that enable our safe, high-performance, and affordable battery energy storage systems. The scope of work includes sizing, selecting, and designing battery modules, thermal management systems, and high power wiring of the energy storage system with attention to cost analysis, design for manufacturing, and regulatory requirements. The Battery Mechanical Engineering Intern will work closely with Electric Era engineering and business leadership to develop high performance battery hardware and supporting thermal systems.

Responsibilities:

1. Analysis and simulation in structural, thermal, fluid, and electrical domains
2. Part design, supplier management, costing, and tooling design for mechanical systems
3. Support testing, instrumentation, and data analysis of key assemblies
4. Analysis of thermal and vibration environments and design for a lifetime of outdoor exposure
5. Document and report key design criteria and test results, Present work in design reviews
6. Research and understand key regulatory & certification requirements and their impact on design

Qualifications & Preferred Skills:

1. Rising Sophomore or above with 3.5+ GPA in Mechanical Engineering or related course of study
2. Previous Design-Build-Test project experience in classroom or extracurricular settings
3. Strong personal project portfolio demonstrating academic and practical capability
4. Hands on building, machining, and manufacturing experience
5. Previous internship, research, or other business experience
6. Strong verbal and written communication skills

To apply, please email a resume to recruiting@electriceratechnologies.com