Mechanical Prototype Engineer - SAN JOSE, CA / PLATFORM MANUFACTURING /FULL TIME

We need highly talented and enthusiastic minds to join our mission to help transform electric mobility, energy storage, and sustainable manufacturing- for a healthier planet.

**Job Description**

Company seeks a Prototype Engineer to help with the design, iteration, and testing of early development hardware. The Prototype Engineer will work on new design opportunities, compiling design requirements, and executing agile end-to-end design processes for a diverse range of challenges. The candidate develops prototypes to be used for engineering validation. In this role, you’ll be leveraging your project management, mechanical design, electrical design, and problem-solving skills in order to drive and deliver your creative solutions.

**Responsibilities**

· Work cross-functionally to design and build electro-mechanical assemblies with a focus battery manufacturing or process integration and reliability.

· Gather requirements, study design tradeoffs, and define detailed specifications for mechanical components and assemblies

· Work with internal and external suppliers to support prototype manufacturing and build events

· Review released designs for DFM and DFA optimization

· Produce and develop detailed documentation around prototype team processes, including design workbooks, SOW’s, engineering documents, work instructions, and cost analysis

· Travel to outside contractor sites to drive the project progress.

**Benefits**

As a team member, you'll enjoy:

• Comprehensive benefits package including medical, dental, vision, and life insurance

• 4 weeks of paid time off

• Stock options

• Career development

• Company provided meals, snacks, and drinks

**Qualifications and Skills**

· 5+ years of experience in mechanical engineering with proficiency in prototype design and production manufacturing processes, including CNC machining, 3DP, molding, stamping, and fabrication.

· BS in Mechanical or Manufacturing engineering or related technical field

· Highly proficient in SolidWorks

· Fluent knowledge of design for manufacturing principles (DFM/DFA), GD&T, tolerance stack-up, and general dimensioning principles

· Working knowledge of PDM systems, BOM release, and ECO’s (Teamcenter)

· Experience with DFMEA, understanding failure modes, and driving failure analysis processes to understand root cause and define corrective actions

· Experience working closely with suppliers and contract manufacturers on projects ranging from quick turn requests to short run production

· Excellent project management and cooperative development skills. Focus, attention to detail, and requires minimal guidance to complete complex projects

· Ability to represent designs in staff meetings and communicate high-level concepts to non-technical stakeholders

**Equal Opportunity**

Equal opportunity employer and complies with all applicable federal, state, and local fair employment practices laws. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, sex, sexual orientation, gender, gender expression, gender identity, genetic information or characteristics, physical or mental disability, marital/domestic partner status, age, military/veteran status, medical condition, or any other characteristic protected by law.