Panasonic
https://www.panasonicnv.com

POSITION TITLE: Battery Engineering Intern

POSITION LOCATION: Sparks, NV

POSITION DESCRIPTION:
Panasonic Energy of North America (PENA) is collaborating with Tesla Motors, Inc. in a large-scale advanced battery manufacturing facility known as the Gigafactory near Reno, Nevada. PENA is seeking a Battery Engineering Intern that is able to design and develop lithium-ion battery manufacturing process. Duties and responsibilities include, but are not limited to:

- Battery cell manufacturing process improvement for mass production lines
- Conducting research and development work for new and existing production lines to improve cell assembly process on safety, quality, and productivity
- Analyzing and evaluating cell physical data (this may include dimensions of jelly roll, cell, and cross-sectional dimensions); from this data, evaluation is needed to determine direct and interaction effects of the machinery and processes
- Analyzing operating procedures and functions of equipment and machinery to reduce time and cost of assembly manufacturing processes
- Providing engineering support to cell assembly as well as electrodes production teams to resolve manufacturing process issues
- Working closely with other team members to increase understanding of failure modes, performance, and life expectancy of cell products
- Applying principles and knowledge of chemical engineering to solve environmental problems
- Other duties may be assigned

BASIC QUALIFICATIONS:
- Must be currently enrolled as a full-time student at the University of Nevada, Reno
- Completion of at least three years of full-time enrollment in a Bachelor’s degree program in Chemical Engineering, Materials Engineering, or Mechanical Engineering
- Familiarity with basic lithium-ion battery chemistry
- Good understanding of basic manufacturing principles
- Strong problem solving skills
- Strong organizational skills
- Excellent interpersonal, teamwork, and collaboration skills
- Strong written and verbal communication skills
- Ability to write and communicate technical information clearly and concisely
- Fluency with Microsoft Office Suite (Word, PowerPoint, Excel, and Outlook)
- Ability to apply principles of logical or scientific thinking to a wide range of intellectual and practical problems

DESIRED QUALIFICATIONS:
- Previous coursework in battery science, materials analysis, or advanced manufacturing
• Familiarity with materials analysis instruments, including SEM/EDS, XRF, FTIR, X-Ray, etc.
• Hands-on experience through lab research, project teams, or previous jobs
• A desire to create a sustainable future through energy storage, renewable energy, and electric vehicles

HOW TO APPLY:
Interested applicants should apply online.