**Company**: Xallent Inc.
**Business**: Semiconductor
**Job Category**: Mechanical Engineering Intern
**State/Province**: NY
**Town/City**: Remote
**Job Type**: Fulltime
**Semester**: Summer 2023

**Overview**

Xallent Inc. designs, develops, manufactures, and markets advanced hardware and software tools for micro and nanoscale probing measurements. Xallent’s patented probe cards, probe heads, wafer probers, and software are used for the most demanding applications in the imaging, electrical, and mechanical testing of energy efficient semiconductor devices and thin film materials. As the electronics industry pushes the design frontier to 5 nm, 3 nm, and 1 nm advanced nodes, Xallent technologies enable industry-leading research labs and production facilities to dramatically improve their measurement and analytics capabilities with greater accuracy, speed, and at lower cost. It’s strength in this area is cutting-edge and has enabled it to develop a range of highly innovative probing solutions while claiming a broad swath of intellectual property through its growing patent portfolio.

**Job Purpose**

Xallent is developing a new energy storage system and the Mechanical Engineering Intern is responsible for designing and assembling models to implement a platform that will be used to test the new battery technology.

**Duties and responsibilities**

- Play a key role in driving projects from concept to design to production.
- Use 3D CAD software to model subsystems and integrated solutions.
- Generate dynamic assemblies along with machine drawings.
- Communicate with machinist on design for manufacturability (DFM).
- Participate in team sessions to analyze, develop requirements, and make recommendations for new product development.
- Other duties as assigned.

**Qualifications**

The ideal candidate is self-driven, motivated, and able to work in a fast-paced environment. The successful candidate will possess the following qualifications:

- Pursuing a university degree in engineering or related field.
• Experience with computer aided design (CAD) software packages such as SOLIDWORKS or Autodesk Inventor.
• Has hands-on experience in working with tools in a machine shop.
• Strong background in generating dynamic assemblies.
• Good communication skills and able to work with multiple functional groups.

**Equal Employment Opportunity**
Xallent is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability or any other protected categories under all applicable laws.

To apply, please send your resume to careers@xallent.com