

Battery/Ultrasound Science Intern

Titan Advanced Energy Solutions

Titan Advanced Energy Solutions develops and tests industry-leading, ultrasound-based battery diagnostics systems for applications in quality control during the battery manufacturing process and for battery state of charge applications in consumer electronics. With numerous awards and grants, and a recent B-Round of funding, Titan is ramping up our fantastic team for an exciting next phase of growth.

We are looking to add a **Battery/Ultrasound Science Intern** to be part of a team responsible for developing and delivering new fit-for-purpose ultrasound-based battery diagnostic solutions. These efforts will directly support key Titan business opportunities, making Titan the partner of choice for customers who want leading edge battery cell manufacturing productivity.

Duties and Responsibilities

- Work with ultrasound and systems engineers to develop MATLAB-based performance prediction models to support requirements, design, analysis, and test of Titan systems.
- Contribute to system level design and test plans by developing algorithms that simulate the behavior of the system and analyze system performance data.
- Help develop requirements by trading off design parameters and evaluate and analyze transducer performance. Document results and present to stakeholders

Required Skills

- Working towards Bachelor's degree in Mechanical Engineering, Electrical Engineering, Computer Science, Applied Physics, or equivalent.
- Proficiency with MATLAB
- Good organizational, analytical, and problem-solving skills.
- Strong communication skills.

Work Location: Salem, MA

Personal Values

- Bias to action and entrepreneurial spirit
- Trustworthy & full of integrity
- Compassionate and highly empathetic
- Collaborative and capable of building consensus internally and externally
- Passion for clean energy and a desire to take an active part in shaping a new paradigm

Titan welcomes applicants from every background – our diversity helps us thrive and serve our customers and each other. All employment decisions are based on qualifications, merit and business needs, without discrimination or bias. We are proud to be an equal opportunity employer. If you need assistance or an accommodation due to a disability, you may contact us at careers@titanaes.com.