

Job description

About us

Elementium Materials is a fast-paced, dynamic start-up based on a novel electrolyte technology developed at MIT. We're reshaping the world's battery landscape with this breakthrough that lowers cell costs, increases energy & power density, lengthens battery life, and provides for intrinsic safety. If you are looking for a challenging and rewarding environment with a highly talented team and an ambitious vision, we encourage you to apply. We offer a highly autonomous but warm, collaborative environment. If you're looking to be a part of one of the most exciting, high-growth startups in the battery space, we encourage you to apply.

Job Summary

We are seeking a highly skilled Staff, Senior, and Principal Battery Engineers to join our rapidly growing research & development team. The ideal candidates will be responsible for developing and testing electrolyte enhancements for our next generation lithium ion and sodium ion batteries. Candidates will be responsible for fabrication, testing, and advanced characterization at both the coin cell and pouch cell level. This role requires the ability to work independently to develop and test new concepts, produce high-performance cells, and perform technical cell level analysis.

In this role, you will:

- Explore new electrolyte solutions, designing & executing cell tests, and evaluating experiments at the coin cell and pouch cell level.
- Work with new electrode materials, including lithium metal anodes, sodium metal anodes, silicon anodes, as well as traditional materials like graphite and high nickel cathodes with the aim of optimizing electrolyte and overall cell performance.
- Provide engineering support to project teams to resolve quality issues
- Collaboration with cross-functional teams to ensure successful project completion.
- Engage suppliers to identify and select key materials based on a detailed technical analysis.

Experience

- Bachelor's degree in Electrical Engineering, Mechanical Engineering, Chemical Engineering or a related field and 3+ years of battery development and testing experience;
- Proven experience in cell fabrication, testing, and interpretation

- Ph.D. and/or post-doc in battery materials development preferred for Senior role, required for Principal role
- Expertise in all types of battery cell analysis, ranging from standard cycling studies to impedance spectroscopy and materials analysis
- Experience in cell failure analysis preferred
- Electrolyte filling and Pouch cell manufacturing experience desired

This position offers a competitive salary, benefits package, opportunities for professional growth, and the chance to work on cutting-edge technologies. If you are a motivated individual with a passion for innovation and are seeking a highly autonomous, driven environment, we encourage you to apply for this exciting opportunity.

Job Type: Full-time

Pay: Competitive

Benefits:

- 401(k)
- 401(k) matching
- Dental insurance
- Health insurance
- Life insurance
- Paid time off
- Vision insurance

Industry

- Batteries and Renewable Energy Equipment Manufacturing