

Battery Data Scientist

Location: Arlington VA (or flexible)

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the leading global energy storage technology solutions and services company that combines the agility of a fast-growing technology company with the expertise, vision, and financial backing of two industry powerhouses. Building on the pioneering work of AES Energy Storage and Siemens energy storage, Fluence's goal is to create a more sustainable future by transforming the way we power our world. The company offers proven energy storage technology solutions designed to address the diverse needs and challenges of customers in a rapidly transforming energy landscape, providing design, delivery and integration in over 160 countries. Fluence works closely with customers throughout their journey and provides advisory, financing, and project lifecycle services.

Job Description

In this role you will be responsible for the development of Li-ion battery analytical tools to support the development and continuous improvement of Fluence energy storage products and systems. You will be a member of a team focused on specification and deep evaluation of third-party battery system components and DC systems and their incorporation into Fluence stationary energy storage systems. You will develop tools to analyze batteries delivered to customers as well as manufacturer production and R&D data. You will perform research to support design and development of battery systems, cells, and other sub-components.

Responsibilities

- Create automated environment for evaluation of batteries in the field or in test beds
- Develop evaluation procedures of battery systems in online and offline modes
- Create value in collected data by developing commercial and operational KPIs
- Drive new technologies with vendors and third parties
- Create models and track performance of batteries over lifetime
- Collaborate with other Fluence data scientists as needed and to further develop Fluence data science capabilities
- Implement and improve technology platforms by working across system suppliers to adapt their technologies
- Travel as needed up to 10% with exceptions for pandemic conditions

Qualifications

- 3 or more years of data analysis with background on lithium-ion battery or related technologies
 - Experience with mathematical modeling of physical systems, preferably including battery designs
 - Experience in data evaluation and statistical methods in technical / electrical environment
 - Excellent written and verbal English skills
 - A dedication and commitment for results in a dynamic and fast developing environment
 - The ability to collaborate across disciplines, departments, both internal and external, and across geographies, with strong team skills
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- M.Sc. Physics, Computer Science, Mathematics, Electrical Engineer or similar;
 - 7+ years working experience, 3+ years experience in evaluation of battery cells or fuel cells or battery modules or system level
 - Demonstrated understanding of lithium battery cell fundamentals and battery functionality
 - Experience in evaluation complex data sets
 - Experience in multi-disciplinary environment
 - Passion for batteries, sharing know-how, and learning from others

GET IN TOUCH

Please send your resume and cover letter to careers@fluenceenergy.com

Fluence IS AN EQUAL OPPORTUNITY EMPLOYER and fully subscribes to the principles of Equal Employment Opportunity to ensure that all applicants and employees are considered for hire, promotion, and job status without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, marital or familial status.