

Data Scientist (Physical Systems)

Location: Arlington, VA

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

Do you want to work on transforming the global electricity industry? Does commercializing clean energy technologies get you excited? Do you believe that energy storage is the key to a clean energy future? Do you want to work at a fast-paced entrepreneurial startup with the backing of two industry powerhouses, AES and Siemens?

Fluence is seeking a **Data Scientist** to help us improve our technology platforms through better digital offerings for our customers. You will be given meaningful projects that will impact how we design, operate, and maintain our global energy storage fleet.

Key responsibilities

1. **Leveraging our data to make our technology platform better.** Your insights from data analytics and machine learning projects will enable us to improve the economics of our technology offerings.
2. **Delighting customers through highly functional, easy to use data visualization and display products**— Our customer-facing digital products must have robust data analytics capabilities, be easily updatable, and be designed with user experience in mind. Your experience in data visualization will help imbue our digital products with informative and intuitive graphics and data displays.
3. **Making insights about our energy storage assets more accessible to customers and service providers** – You will work on improvements to applications such as anomaly detection, predictive analytics, and warranty monitoring, helping our business and customers identify problems before they arise.

Ideal Candidates Will Possess or Have a Desire to Develop:

- Bachelor's or Master's degree in Engineering, Statistics, Economics, Operations Research, Mathematics, Computer Science, or other quantitative field
- 2-5 years experience in data science, statistics, or machine learning-focused role
- Proficiency in Python, R or other programming language commonly used in data science
- Comfortable with large and messy data sets, querying data with MySQL, RQL or similar
- Experience with batch processing of "big data" and associated software platforms
- Preferred: Experience with Anaconda, Hadoop, TensorFlow, other machine learning libraries or platforms
- Preferred: Experience modeling physical systems with machine learning techniques, creating digital twin models for complex systems, knowledgeable about battery technology
- Preferred: Experience building machine learning models that will go into production, and experience maintaining and updating those models
- Comfortable working cross-functionally across an organization to get projects done and comfortable working in highly collaborative environment
- Can distill key conclusions and recommendations from complex data analysis and communicate them to teammates, colleagues, and leadership
- Share our team's belief that the work we do improves lives by lowering the cost of electricity, improving the reliability and resiliency of the electric system, and creating a cleaner, more sustainable grid.
- Desire to work collaboratively in a fast-paced entrepreneurial environment.
- Track record of taking ownership over responsibilities and pursuing them diligently.
- Practical working knowledge of English is required.

Qualified candidates are requested to submit a resume and cover letter at 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, sexual orientation, marital or familial status.