

Machine Learning Engineer

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 **Machine Learning Engineer** to help us rapidly deploy cutting-edge machine learning and data analytics products to our customers that aim to fundamentally change the way they interact with these systems. You will be given meaningful projects that will impact how we design, operate, and maintain our global energy storage fleet.

Key responsibilities

1. **Designing and developing machine learning and deep learning systems.** You'll study and transform data science prototypes into production systems, developing machine learning applications according to product requirements, including working with data engineers to select appropriate datasets and data representation methods.
2. **Running machine learning tests and experiments.** You'll perform statistical analysis and fine-tuning of machine learning models using test results, and set up systems to monitor system output, including training and retraining of systems when necessary.
3. **Implementing appropriate ML algorithms.** You'll maintain an understanding of existing ML libraries and tools, and extend their capability when needed, as well as keep abreast of developments in the field, including prototyping and deploying new solutions from research.

Ideal Candidates Will Possess or Have a Desire to Develop:

- Bachelor's or Master's degree in Computer Science, Mathematics or similar field; Master's degree is a plus
- Proven (2-5 years) experience as a Machine Learning Engineer or similar role
- Understanding of data structures, data modeling and software architecture
- Deep knowledge of math, probability, statistics and algorithms
- Ability to write robust code in Python, Java, or R; adapt to new languages as needed.
- Familiarity with machine learning frameworks (like Keras or PyTorch) and libraries (like scikit-learn and Tensorflow)
- Desire to work collaboratively in a fast-paced entrepreneurial environment.
- Comfortable working cross-functionally across an organization to get projects done and comfortable working in highly collaborative environment
- 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.
- 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.