

Senior Data Scientist – Machine Learning

Location: San Francisco, California (Remote/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 as trusted advisors throughout their journey and provides advisory, financing, and project lifecycle services.

Leading

Do others come to you for your subject matter expertise? Are you excited by the challenge of working in a start-up atmosphere with a purpose?

Fluence Digital is seeking a senior data scientist to expand the advanced analytics capabilities of our platform. You will be part of the Data Science team, and work alongside software developers, product managers, and subject matter experts to shape the evolution of our company and the future of the electricity grid.

This position will be within the new Fluence Digital business unit, formed following Fluence's acquisition of San Francisco-based start-up AMS. Fluence Digital's software technology uses artificial intelligence, advanced price forecasting, portfolio optimization and market bidding to ensure energy storage and flexible generation assets are responding optimally to price signals sent by the market.

Responsible

Fluence is defined by its unwavering commitment to safety, quality, and integrity. We take personal ownership in what we do, developing trust in our relationships with internal and external stakeholders. We firmly believe in having honest, forthcoming, and fair communications.

Responsibilities include:

- Acting as functional technical lead for our in-house time-series forecasting team
- Actively contributing to our in-house time-series forecasting product
- Collaborating and working with a team of data scientists and software engineers to meet product goals
- Continually improving the model performance by monitoring and developing better models
- Working with product managers and other business functions to refine product definition and help scope the road map
- Promoting analytical rigor and empowering data-driven decisions

Agile

Here at Fluence, we strive to continuously improve, to be intellectually curious and be adaptive to our customers' and employees' needs. Collaboration is key, both in our partnerships with our customers, and with each other. Fluence prioritizes the most critical efforts that allow for the greatest impact.

The ideal candidate will exhibit:

- Adapting and evolving the latest in machine learning techniques to better our products
- Enjoys collaborating with software developers, product managers, and internal stakeholders
- Strong written and oral communication skills
- Effectively distilling and communicating your solutions
- Strong problem solving, negotiation, and organizational skills
- Ability to process information and manage multiple conflicting priorities to drive to successful outcome (i.e. multi-task)
- Flexible, self-motivated, detail-oriented character with a strong sense of product ownership

- Use your expertise to inform our product roadmap and your creativity to tell us how we can better leverage our existing data systems

Minimum Qualifications

- 5+ years of experience building models and developing machine learning algorithms for production systems
- 2+ years of experience building and deploying Deep Learning models.
- MS or PhD in Computer Science, Mathematics, Engineering, Operations Research (STEM fields)
- Strong analytical, problem-solving, and algorithm/software development skills
- Experience with of machine learning, statistical models, and best practices in model validation
- Experience with data visualization tools
- Understanding of software engineering best practices and modern development techniques (e.g., version control, unit testing, continuous integration)
- Strong programming experience preferably in Python
- Familiarity with relational and non-relational databases
- Enjoys collaborating with software developers, product managers, and internal stakeholders
- Time-series forecasting knowledge or an eagerness to learn

Preferred Experience

- Developing production-quality time-series forecasting models
- Strong technical understanding of various machine learning algorithms and the tradeoffs amongst them
- Experience with distributed databases and processing large data sets
- Data modeling and pipeline development (ETL)
- Experience using AWS
- Contribution to open source projects

Fun

We are always looking for employees who are excited by challenges and the opportunity to be problem-solvers. Our entrepreneurial mindset allows for creativity, sense of urgency and fulfillment. Our employees love what we do and are passionate about the way we power our world.

- The Fluence Digital team is highly motivated by developing advanced optimization strategies to transform the way we power our world. We are deeply concerned by our changing climate and excited to have the opportunity to play a part in making low-carbon projects more viable.
- The role will be based in Fluence Digital's San Francisco office (remote candidates will be considered), and will report to the Director of Data Science, with close interaction with Product, Engineering, and Commercial teams. The role will grow over time as Fluence scales its SaaS products to new customers, types of energy assets, and markets.

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.