

Director of Data Science

Location: San Francisco, CA or continental US

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the global market leader in energy storage technology solutions and services, combining the agility of a technology company with the expertise, vision and financial backing of two well-established and respected industry giants. Building on the pioneering work of AES Energy Storage and Siemens energy storage, our goal is to create a more sustainable future by transforming the way we power our world. Providing design, delivery and integration, Fluence offers proven energy storage technology solutions that address the diverse needs and challenges of customers in a rapidly transforming energy landscape.

Fluence currently has more than 2.4 gigawatts of projects in operation or awarded across 24 countries and territories worldwide. We topped the Navigant Research utility-scale energy storage leaderboard in 2018 and were named one of Fast Company's Most Innovative Companies in 2019. In 2020, our sixth-generation Tech Stack won Commercial Technology of the Year at the 22nd annual S&P Global Platts Global Energy Awards.

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?

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 Digital is seeking an experienced data scientist leader to expand the advanced AI capabilities of Fluence Digital software platforms. You will lead the growing 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. In this role you will:

- Lead a team of Data Scientists developing a time-series forecasting microservice.

- Provide technical leadership on the project in terms of overall architecture, ML approaches, performance monitoring, continuing improvement, and production deployments.
- Facilitate the adoption of the latest in the fields of Artificial Intelligence and Machine Learning to produce the highest quality forecasts.
- Work with product managers and other business functions to help define roadmaps and timelines concerning data science tasks, projects, and products.
- Facilitate data science objectives throughout the company.
- Promote analytical rigor and empower data-driven decision support throughout the company.
- Provide guidance and oversight to help lead the Data Science teams towards project decisions.
- Help to build the Data Science team as the company grows.

Agile

Here at Fluence, we strive to continuously improve, be intellectually curious and be adaptive to our customers and employee's 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. You exhibit the following qualities:

- Enjoy collaborating with software developers, product managers, and internal stakeholders.
- Strong written and oral communication skills.
- Ability to organize, manage processes, set deadlines, and follow up to ensure schedules are met.
- Ability to act as a liaison between various teams and divisions in the company in order to drive efficiency and expediency.
- Team player with demonstrated experience in working effectively within their own organization and cross-functionally.
- 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.
- 5+ years of experience building models and developing machine learning algorithms for production systems.
- BS in Computer Science, Mathematics, Engineering, Operations Research (STEM fields).
- Strong analytical, problem-solving, and algorithm/software development skills.
- A proficiency in machine learning algorithms, statistical models and feature engineering and advanced modeling techniques.

- At least 2 years of experience with Deep Learning models and frameworks
- Experience with data visualization tools
- Strong programming experience in at least one of the following languages: Python, R, Java
- Familiarity with relational and non-relational databases
- Enjoys collaborating with software developers, product managers, and internal stakeholders
- Expertise in time-series analysis

Preferred Experience

- MS or PhD in Computer Science, Mathematics, Engineering, Operations Research (STEM fields).
- Develop 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)
- Understanding of software engineering best practices and modern development techniques (e.g., version control, unit testing, continuous integration).
- Familiarity with numerical programming solvers and solution techniques for large scale optimization problems.
- Experience using AWS.
- Contribution to open source projects.

Fun

Working on transforming a fundamental part of our society is exciting and fulfilling. It requires creativity, diversity of ideas and backgrounds, and building trust to effect change and move with speed. We respect our coworkers and customers. We listen to what others have to say, and we are inclusive.

- 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 Chief Digital Officer, 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.