



Secure the Future of the Grid with Us

Data Scientist - Physical Sciences

Boston MA or Louisville KY or Denver CO or Remote / full-time

We are a rapidly growing technology company, helping our utility partners around the world lead the energy transition by enabling enhanced grid flexibility, resilience and security. At LineVision, we provide electric utilities with our patented non-contact sensors to provide the real-time monitoring and predictive analytics needed to secure the future of the grid.

We are looking for an early-career **Data Scientist** to play a pivotal role in our organization to help our growing data science and R&D teams drive accuracy and data quality improvements in the weather-based and LiDAR sensor inputs to our core dynamic line rating models.

What will you do?

You will have primary responsibility for building and improving key parts of the analytic engine that powers our company. You will:

- Independently investigate patterns and anomalies in LineVision sensor and weather data streams by formulating and testing your own data-driven hypotheses, and communicate results with colleagues using data visualization techniques.
- Build regression models, predictive time series forecasts, and smart filtering algorithms.
- Improve and sharpen our algorithmic capabilities for detecting rare events such as conductor icing, wind-driven conductor galloping, and anomalous thermal events.
- Build and improve internal tools that allow the Data Science team to scale repeatable analytics across our growing network of sensor installation sites.
- Work closely with the Data Engineering and Software Engineering teams to productionize data science findings and deliver results to our electric utility customers.

What do you need to succeed in this role?

- This role is perfect for academic scientists or engineers looking to break into the software industry, or an early-career data scientist looking to pivot into clean energy technology. If you love to use code to make sense of research questions using large volumes of noisy data, this job is for you.
- Ideally a background in a physical science: astronomy, physics, geology, electrical engineering, mechanical engineering, materials science, and atmospheric science.
- Fluent with units of measurement: can you speak in milligauss, amps, m/s, °C, knots, pascals, and Newtons?
- Python experience preferred
- Standard data science tools: pandas, numpy, SQL, matplotlib, Jupyter notebooks
- Experience with time series, IoT sensor data, or geospatial data

What does joining LineVision mean for you?

- **Impact.** Your talent, time, and energy will critically impact the company's success in providing utilities around the world with solutions to increase the flexibility, efficiency and safety of their grids for a cleaner and electrified future
- **Real World Data Science.** Data science jobs that combine real-world sensor data, and impact a real world system like the electricity grid are rare. We give you the opportunity to think like a scientist, but still have a business impact.
- **Growth.** You will join a high-performing data science team to maintain LineVision's technical expertise for line monitoring and dynamic line ratings
- **Ownership.** You hold broad responsibilities with high autonomy in a communicative, collaborative, and fast-paced environment with other scientists and engineers
- **Compensation.** You are vested in a high-potential success story, with competitive compensation, benefits, and comprehensive PTO and leave policies, complemented by stock options in a high-growth company with world-class venture capital backing

Who we are...

- We are a team of dedicated individuals who are passionate about helping to solve the biggest challenges facing today's electric grid
- We believe unlocking transmission capacity is critical to the resilience of our future grid and the ability to integrate renewables at scale
- We value and benefit from the wide-ranging perspectives that come from a diverse and inclusive work environment
- *We are committed to providing:*
 - Situational awareness to help grid operators make informed decisions on the physical position of their conductors that can help to prevent damage and fires
 - Dynamic Line Ratings to increasing capacity by up to 40% on existing transmission lines with real-time monitoring while improving reliability & safety
 - Asset health monitoring to improve maintenance strategies by creating a digital twin to determine the true conductor health

LineVision Inc is an EEO/Affirmative Action Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability or any other legally protected status.

For more information, visit <http://www.linevisioninc.com>

TO APPLY, please send a resume and cover letter to apply@linevisioninc.com with Data Scientist in the subject line.