



Welcome to StormSensor!

StormSensor, a climate technology startup, is expanding our team! StormSensor works with cities across the U.S. to track how water moves through their storm, sewer, and coastal infrastructure. Our high-resolution data networks monitor flow and temperature every 5 minutes, while our proprietary algorithms and intuitive software provide cities with simple, practical insights to help them adapt to system- and climate-driven risks from flooding, sea level rise, tidal surges, and storms.

We are searching for an **Entry-Level Data Scientist/ Customer Experience Analyst** who is passionate about creating vibrant communities, thrives with remote work, and integrates perfectly with our team and our values: creativity, integrity, unity, courage, and curiosity.

You will be joining a small team, so communication skills are paramount. Being able to explain technical work to environmental engineers, sales people, scientists, and customers is all part of the job.

Every decision you make at StormSensor is impactful, and you have a voice in design, architecture, and implementation.

About You

You are an analytical and creative data scientist who loves finding patterns and solving complex problems. You work thoroughly yet efficiently. You are driven to help StormSensor meet and exceed expectations of its customers at every touchpoint and interaction. You love getting things done, and you enjoy remote work.

In addition, you are:

- Naturally inquisitive. Curiosity is a strength!
- An excellent communicator with strong written and verbal communication skills.
- Able to solve any problem you put your mind to, or at the very least you can figure out the best person to solve that problem.
- Convinced that anything is possible! It's just a matter of figuring out how.
- Comfortable being uncomfortable. You have the courage to get through tough situations and tough times.
- A mentor. You can communicate collaboratively with everyone, both team members and customers.
- Comfortable writing code, dealing with databases, handling CI, and doing whatever else it takes to deliver value.
- Able to talk APIs with customers, build a data model, write well tested code, and deploy to production. All on the same day.
- Focused on best practices and code readability. No tricks: you apply the principle of least surprise to your code.
- Egoless (or at least as much as is reasonable for a human to be). You'll make mistakes, you'll fix mistakes, you won't judge others' mistakes, and you'll grow from each experience.



Roles/Responsibilities

- Work closely with the customer experience, sales, and product teams to apply knowledge of statistics, machine learning, programming, data modeling, simulation, and advanced mathematics to recognize patterns, identify opportunities, pose business questions, and make valuable discoveries leading to prototype development and product improvement
- Use a flexible, analytical approach to design, develop, and evaluate predictive models and advanced algorithms that lead to optimal value extraction from the data
- Generate and test hypotheses and analyze and interpret the results of product experiments
- Work with product engineers to translate prototypes into new products, services, and features and provide guidelines for large-scale implementation
- Provide Business Intelligence (BI) and data visualization support, which includes, but is limited to support for the webapp, as well as other ad-hoc requests requiring data analysis and visual support

Requirements/Skills

- Bachelor's degree in a highly quantitative field (computer science, machine learning, operational research, statistics, mathematics, environmental science, civil or environmental engineering, etc.) or equivalent professional or military experience
- 1+ years experience working in SQL, R (or Python), and basic machine learning algorithms
- 1+ years experience creating effective visualizations for spatial and time-series data
- Experience in the water or environmental industry is a plus
- Experience with spatial analysis in R, Python, or GEE is a plus
- Experience working with real-time data and/or sensor data is a plus
- Strong verbal and written communication skills
- Self-motivated and reliable with excellent time management and organizational skills: we can count on you, and you can count on us to do our jobs and support each other.
- U.S. work authorization is required

Tools We Use

- Java - Spring Boot, Gradle 6+, jOOQ, Lombok, Jackson, ModelMapper.
- Testing - AssertJ, RestAssured, Mockito, Awaitility.
- Database - MySQL/Postgres, complex queries, Flyway ETL and migrations
- Docker - Compose, building images, publishing images.
- AWS - VPC, RDS, EC2, ECS, Route53, S3, Cognito, Lambda.
- CI/CD - Jenkins, Groovy, Nexus/Artifactory, EFK, Grafana/Prometheus.
- DevOps – Sonarqube, Zabbix, Ansible, Terraform, Linux scripting, RabbitMQ, Credential management.
- Data Analysis – R/RStudio, Rmd reports, Shiny apps/dashboards, Leaflet, QGIS, GRASS



Benefits & Perks

- Compensation: DOE
- Monthly health insurance stipend
- Unlimited paid time off
- Remote work + tight team
- Passionate, collaborative, and generally awesome co-workers
- Coming October 1: company-sponsored health insurance and retirement plans

Apply

To apply, send your CV and Resume to jobs@stormsensor.io with “Entry-level Data Scientist” in the subject line.