



## **Climate Scientist**

Welcome to Salient!

Weather impacts countless business decisions. The further ahead you can forecast, the greater advantage you gain. And yet, despite nearly a century of advances, the accuracy of weather is still no better than a coin flip once you look beyond fourteen days. Until now.

Using machine learning to analyze ocean, earth, and atmospheric data, Salient has created the world's most accurate weather forecasts, allowing us to see further into the future than ever before—from 2 to 52 weeks out. Our core predictions and industry insights consistently outperform national labs (NOAA, ECMWF) and all private forecasts by up to 2x. This capability is opening up exciting new market opportunities.

Today Salient puts scientific knowledge to work to help people and organizations better understand and prepare for the increasing volatility of climate change. Armed with more accurate and longer-range forecasts, we help mitigate risk, improve preparedness, increase resilience—and provide insights that will help people adapt to the realities of climate change and, we hope, improve society's current trajectory.

Bringing together world-leading experts in climate science, machine learning, and business growth, Salient is creating the new standard in subseasonal-to-seasonal weather forecasting. And we're looking to rapidly expand our team.

With core technology that evolved from decades of research at Woods Hole Oceanographic Institution and MIT, our culture is grounded in the sciences. We embrace a spirit of curiosity, peer review, intellectual honesty, candor, and respect. We believe that it is important to be very good at what you do, while understanding that maintaining humility in the face of grand challenges is crucial for continued success.

Salient Predictions is a seed stage, venture-backed startup.

## **About the Role**

Salient has built the first subseasonal-to-seasonal (S2S) weather forecasting engine that uses machine learning from the ground up. ML methods are well suited for identifying new sources of predictability on this challenging timescale, but only if designed around the underlying dynamics of the climate system. Your role as a climate scientist at Salient will be to improve our S2S forecasting engine through the application of novel climate teleconnections, data sources, and processing

methods. You will also work to develop analytics and translation layers on top of our core weather data to make probabilistic S2S information actionable and insightful for a variety of stakeholders.

This is a unique opportunity to perform fundamental scientific research on a challenging climate problem while having a tangible impact on real people and businesses. You will add to the diverse climate and weather expertise of Salient's core technical team and help to build a culture of scientific curiosity and rigor.

Location: Boston area preferred; remote OK

### Impacts you will own

- Improve Salient's core S2S forecasting engine
- Build data pipelines for novel climate predictors and other weather datasets
- Work with ML team to design physics-informed model architectures
- Present and explain progress and results to internal teams and potentially external customers
- Interface with product and business leads to prioritize impactful efforts

### What you bring

- Deep expertise in climate/atmosphere/ocean dynamics
- Experience in S2S forecasting
- Strong scientific coding skills and experience with the core Python Pangeo libraries including xarray and Dask
- Ability to rapidly prototype new scientific ideas into operational tools and communicate the results and value to a non-technical audience
- US Citizenship required

### Our values, and yours

At Salient, we're looking for candidates who share the guiding principles that drive our people and our business:

- **We are curious.** We have a hunger for new ideas and creative challenges. We are constantly learning and seek to understand the world around us, as well as the problem at hand.
- **We are self-motivated.** We are doers who take pride in getting things done correctly.
- **We are candid.** We value intellectual honesty. We always share our ideas in ways that are respectful and forthright.
- **We are collaborative.** We want to win with and for the people who surround us. We know that great teams are more than the sum of their parts.
- **We maintain a beginner's mindset.** We believe that ego is a barrier to continual learning. The challenge we've embraced is incredibly complex and important, and we should always remember there is still much to do and much to learn.

- **We are mission-driven.** The results of our work matters, not just for Salient's customers but for the planet and for the prosperity of future generations. We do not compromise on performance.

### **Benefits while working at Salient**

- Competitive total compensation (salary + equity)
- Health and dental insurance
- 401K contributions
- Work from home technology stipend
- Unlimited vacation

### **Interested? ...**

Email resume and cover letter to [careers@salientpredictions.com](mailto:careers@salientpredictions.com)