

Senior Atmospheric Scientist

WeatherFlow is looking for a highly skilled NWP expert to join our team in Fort Collins, Colorado. The successful applicant will have the core skills to grow our in-house WRF data assimilation and forecasting capability. They will lead the development of our WRF data assimilation efforts using a variety of new data sources, including proprietary surface and upper air measurements.

About WeatherFlow

WeatherFlow is a team of scientists, meteorologists, engineers and programmers. We maintain one of the largest high-quality private weather networks in the world and specialize in short-term, high-resolution weather forecast modeling and machine learning. We combine our data with curated third-party weather data to help government agencies, businesses, and consumers make key decisions. We make a family of Smart Weather Stations that are easy to install, understand and use, and automatically integrate with smart home platforms and commercial systems. Our overall goal is to provide actionable weather information to help our worldwide customers make better decisions around safety, save time and money, and increase business profitability.

Base Requirements

- PhD in Atmospheric Sciences or related discipline with at least 3 years of post-degree experience
- Strong track record in model development and implementation
- Expertise with running WRF, WRFDA, GSI and related codes
- Experience with Amazon or other cloud HPC services
- Ability to detect and resolve model issues
- In-depth multi-scale meteorological knowledge at the surface, through the boundary layer and upper air in tropical and midlatitude regions
- Ability to work with the team and individually
- Capable, resourceful learner
- Ingenuity with problem solving
- Strong written and oral communication skills

Bonus Skills

- Expertise with Linux operating systems and scripting and other programming languages
- Strong statistical analysis skills and familiarity with statistic and graphics packages
- Experience with MySQL, PostgreSQL or SQLite databases
- Experience with machine learning

Salary and Benefits

Salary will be competitive and commensurate with experience and qualifications. WeatherFlow offers a full benefits package, including the opportunity to live in Fort Collins!

Applying

This is a full-time position at our Fort Collins, Colorado, offices. To apply, please email your resume and cover letter to Marty Bell, Director Research and Modeling at mbell@weatherflow.com.