



**Support Scientist-Meteorologist Developer
NOAA/NCEP
College Park, MD**

I.M. Systems Group, Inc. (IMSG), www.imsig.com, a Federal Government Contractor is seeking to fill a full-time position supporting the National Centers for Environmental Prediction (NCEP). The contractor will serve as a meteorologist developer at the Weather Prediction Center (WPC) and will have direct interaction with scientists within NOAA as well as partners outside of NOAA. This includes; NCEP centers, NWS weather forecast offices, NOAA research facilities, academia, and the NWS Science and Operations Officer community. In this capacity the incumbent will work with the above partners to provide scientific enhancements that build upon current products, methodology and tools as well as work to develop new products, tools, and methodologies. Promising work will be transitioned to operations. The work will also strive to build the capacity to enhance impact decision support services (IDSS), effectively building a Weather Ready Nation.

In addition, the incumbent will work to provide verification methods of current forecasts to gauge effectiveness of new tools and methodology. The incumbent will provide training materials on the enhanced forecast methodology, products, and tools. Finally, the incumbent will also work with other WPC staff to publish results from studies in peer-reviewed journals.

Areas of particular need and interest to be addressed include the forecasting of heavy precipitation associated with land-falling tropical cyclones, warm-season convection, winter storms, and atmospheric rivers. Additional areas of focus include the use of ensemble model output and forecaster generation of probabilistic products, as well as exploring future roles of weather forecasters.

Specific activities may include but are not limited to:

- Collaborate with meteorologists at NCEP, NWS field offices, academia, and outside partners to enhance forecast methodology and develop forecast tools from short to medium range time frames.
- Collaborate to transition research performed at WPC and elsewhere within NOAA into operations at WPC and other NOAA offices.
- Assist, as needed, in planning and execution of pseudo-operational summer and winter experiments as well as the Day 8-10 forecast experiment.
- Collaborate with meteorologists at NCEP to establish verification methods for current short to medium range forecasts to eventually help determine effectiveness of new tools and methodology
- Develop training materials to transition new tools and techniques into operations.

Required/Desirable Knowledge or Skills Set:

- Advanced degree in meteorology, hydrology or related earth science fields (MS or above preferred)
- Extensive knowledge of weather forecasting - short to medium range
- Excellent knowledge on statistics and strong analytical skills

- Strong programming skills in a Linux/Unix environment, including Python
- Good communications skills in English, team player
- Some knowledge of GIS
- Desirable to have peer reviewed publications

Please note U.S. citizenship or green card is required for the position.

To Apply:

Please apply directly to our career portal or website: www.msg.com or <https://careers-msg.icims.com> **(NOA1758- Support Scientist-Meteorologist Developer)**. Include your resume, three references with contact information and a cover letter explaining how your qualifications meet the requirements of the position. Please indicate your timeline of availability and preferred salary level for consideration.

MSG offers an outstanding overall Benefits Package including company paid leave, medical dental, vision, and 401K. MSG is an Equal Opportunity Employer and Veteran Friendly.

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