



GESTAR II MORGAN STATE UNIVERSITY UNDERGRADUATE FELLOWSHIP

In December 2021, GESTAR II partnered with NASA Goddard Space Flight Center's Earth Science Division to advance Earth science and Goddard's leadership by providing a competitive environment to hire and retain high-quality scientists who are on track to be leaders at NASA, in academia and in industry. GESTAR II exemplifies the power of mentorship, embracing a career development strategy that only a university research center can provide. In GESTAR II, early-career researchers and students can build outstanding resumes, launching them to become the Earth science leaders of tomorrow. GESTAR II has a strong commitment to supporting education, outreach, and fostering collaboration between our scientists and students at Morgan State University.

GESTAR II is in search of a Morgan undergraduate or graduate student to help research how forecast improvement metrics connect to real-world applications, especially in terms of monetary savings. For example, the student might look into how wind energy farms use weather forecasts, and how much money the wind farms might save with better forecasts. Other types of possible areas could include but are not limited to agriculture, health science, transportation, public safety, and resource management. The research would entail performing a literature search of peer-reviewed articles and possibly contacting industry groups to ask direct questions. The student would be expected to present their findings at informal meetings with project scientists and write multiple short reports that will be consolidated into a final report. Student skills would include writing professional emails, reading technical literature, using publication search engines such as Web of Science, taking detailed notes, and technical writing and presenting.



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