Hello,

My name is Madison Murphy and I am the Fellow at the Marshall Space Flight Center node of the NASA DEVELOP Program. Our application for the upcoming Spring 2020 term of the program recently opened and will remain open until Friday, October 11th. The term will take place January 27 – April 3. I have attached a flyer with information about our program if you’d like to disseminate it to students and faculty.

To provide some background information, NASA DEVELOP is under the Capacity Building Program within NASA’s Applied Sciences Program. NASA DEVELOP conducts feasibility research projects which use NASA satellite data to answer current environmental questions for our partner organizations, while providing opportunities for professional and personal growth for our participants. Each year we have three "terms" that consist of 10 intense weeks of research and analysis that is conducted by a team of current students (undergraduate or graduate), recent graduates (undergraduate or graduate), and early/transitioning career professionals. Teams partner with professional organizations (The Nature Conservancy, FEMA, Dauphin Island Sea Lab, National Park Service) offering unique opportunities for networking with these partners as well as with NASA scientists and advisors. Projects fall into one or two of the eight National Application areas, and are team led providing participants the opportunity to grow their leadership, professional, and technical skill sets. Many focuses of study can benefit from the program as they cultivate professional skills while they learn how to use GIS and remote sensing techniques. In the past we have had successful applicants from a number of fields, such as Geography, History, Biology, Computer Science, Earth System Science, Anthropology, and Political Science.

To give you some examples of past projects:

- **Ohio River Valley Transportation and Infrastructure**: Utilizing Synthetic Aperture Radar and NASA Earth Observations to Identify Optimal Transportation Routes to Assist Emergency Responders after Flood Events in the Ohio River Valley
- **New Mexico Energy**: Identifying Optimal Site Locations for Wind Energy Farms Considering Ecological and Social Impacts
- **Alaska Disasters**: Evaluating the Atmosphere-Land Exchange Inverse Evaporative Stress Index for the Alaskan Environment to Determine Wildfire Likelihood
- **North Alabama Ecological Forecasting**: Spatial Modeling of the Fragmentation of Local Species Habitat from Increasing Urbanization in North Alabama
- **Kenya Agriculture & Food Security**: Utilizing NASA Earth Observations in the RHEAS Model to Enhance Drought Monitoring and Mitigation in Kenya

We have several projects proposed for the spring, all of which can be found on the [apply page](#), and again we would love to have students from your university apply. This is a paid position and the application will be open until Friday, October 11th.

If you have any questions, or have any students who may be interested in this opportunity, please feel free to contact me at Madison.murphy@ssaihq.com

Cheers,
Madison

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