



**Research Engineer III-SCITECH
NOA/ASSISTT
College Park, MD**

I.M. Systems Group, Inc. (IMSG) www.imsg.com, leading a Scientific and Technical Support Team (IMSG Team, consisting of IMSG, Inc. and subcontracting companies) is looking for a qualified **research engineer** to support NOAA's Algorithm Scientific Software Integration and System Transition Team (ASSISTT) in College Park, Maryland.

ASSISTT specializes in transitioning systems from research to operations. We support integration tasks for several NOAA weather satellites by ensuring that a functional algorithm is in place and ready for operations. ASSISTT works with science teams and stakeholders to: conduct a standard set of project reviews; generate a standard set of documentation; develop and refine requirements; track risks and mitigations; clean code for coding/security, common data formats and metadata (CF & ISO), standard languages, tools, and libraries; test software; validate products, perform configuration management; and prepare the Delivered Algorithm Package.

Job Duties:

- Provides programming and software engineering support for the NOAA enterprise algorithm using industry standard software engineering techniques.
- Design, code, test, and document interfaces of moderate to high complexity.
- Work with NOAA government staff to coordinate science products, algorithm development, and science processing.
- Support science algorithm integration and research-to-operation efforts.

Required Skills:

- 5+ years of experience in Fortran
- 3+ years of experience in C/C++
- 3+ years of knowledge of Unix/Linux
- 3+ years of experience of IDL and other graphic tools
- Experience with Perl, Python, or shell scripting

Desired Skills:

- Expertise algorithm development for science data products
- Knowledge about radiative transfer models
- Experience with real-time and off-line processing of satellite data, science algorithm development.
- Experience processing and managing large volumes of data
- Experience with interoperability between Fortran 90/95 and C/C++
- Experience with CM tools such as Git and GitLab
- Experience with container operations (preferably Docker)
- Familiarity with scientific data formats such as HDF and netCDF
- Previous integration experience
- Educational background or experience in satellites and remote sensing
- Teamwork, strong inter-personal skills

Education: BS or greater degree with formal course work in atmospheric science, physics, mathematics and computer programming.

To Apply:

Please apply directly to our career portal or website: www.imsg.com or <https://careers-imsg.icims.com> (**NOA1788 Research Engineer III-SCITECH**) 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. Salaries offered commensurate with qualifications and experience

IMSG offers an outstanding overall Benefits Package including company paid leave, medical dental, vision, and 401K.

IMSG is an Equal Opportunity Employer and Veteran friendly.

