



Science Research Specialist II

Salary Grade: 16

Item Number: PHILSAB-SRAS2-13-2020

Division: Space Security Technologies Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: 1 year of relevant experience

Training: 4 hours of relevant training

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Gather, process, and validate geospatial data from diverse sources, ensuring accuracy and reliability for analytical purposes, assessments, and scenario planning;
- 2) Implement algorithms and models for image classification, and feature extraction;
- 3) Perform quality control checks on geospatial datasets;
- 4) Develop accurate 3D models based on requirements. Interpret and translate 2D concepts into 3D models, ensuring fidelity to the requirements;
- 5) Assist in engaging and collaborating with stakeholders in determining their technical requirements and the dissemination of research and development outputs on space-based surveillance technologies;
- 6) Contribute to the development and implementation of validation, verification, and testing activities for developed applications using space-based technologies;
- 7) Contribute to the implementation of scientific research and development on secure space-based technologies within the Agency's divisions; and
- 8) Perform other duties of a regular or special nature as may be assigned from time to time.

Applicants who have all or any of the following background are encouraged to apply:

Educational Background:

- Graduate of any engineering course

Experience:

- Experience in geographic information systems, remote sensing, artificial intelligence, and 3D modeling and visualization.

Competencies:

- Ability to undertake complex work;
- Ability to work under time pressure and to effectively communicate with the team, external partners and other stakeholders;
- High level analytical skills, including excellent communication skills (written and oral)



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