



Earth Observation Research Analyst

At C-CORE, we are committed to investing in people and creating a dynamic and rewarding employment experience. We are seeking an **Earth Observation Research Analyst** to join our Earth Observation team in St. John's, NL.

About C-CORE

C-CORE conducts R&D and provides research-based advisory services, delivering innovative engineering and technology solutions to national and international clients. Over the past 50 years, we have built a world-class team of over 70 dedicated professionals with a reputation for excellence in: Remote Sensing and Oceans & Energy. We are looking for exceptional individuals to join our team and contribute to our continued success and solve challenging problems for industry and the environment for sustainable development.

Position Overview

As an **Earth Observation Research Analyst** at C-CORE, you will play a key role in delivering and advancing our capabilities in remote sensing and GHG emissions research and development. You will work with advanced satellite technologies and methodologies to provide innovative solutions to our clients. This position offers the opportunity to work in either our St. John's, NL, or Ottawa, ON office, and to be part of a leading-edge team dedicated to excellence in Earth Observation (EO).

Key Responsibilities

- Collaborate with a multi-disciplinary team to design and develop EO solutions, analyze EO images and deliver EO products.
- Analyze satellite imagery in near-real time to deliver products to clients
- Follow established procedures during analysis, but also look for opportunities for improvement
- Integrate remote sensing data from various sources and sensors (i.e., both freely available and commercial satellites) for research and operational purposes.
- Develop software and/or EO algorithms for environmental and commercial applications.
- Contribute to reports and scientific papers and present findings and results to clients
- Support routine services primarily in ship/iceberg detection, river ice monitoring and satellite ground stations
- Conduct research for projects in wetlands mapping, emissions monitoring, maritime surveillance and other environmental applications

Desired Qualifications

- Bachelor's Degree or above in Engineering, Environmental Sciences, and Computer Science or a related discipline, with an exposure to Remote Sensing, Machine Learning or Geographic Information Systems (GIS).
- Proficiency in remote sensing data processing and analysis techniques.
- Experience in remote sensing and GIS applications, particularly expertise in using software such as ERDAS, and ARCGIS, is required
- Experience with geospatial data (e.g., digital air photos, earth observation imagery)
- Programming skills, particularly in Python.
- Attention to detail and willing to work in multiple areas
- Excellent written and oral English communication skills.
- Strong analytical and problem-solving skills, with the ability to work collaboratively in a cross-functional team.
- Must be a Canadian resident with a valid work authorization.

Salary & Benefits

C-CORE offers competitive salaries and benefits, including attractive vacation entitlements and comprehensive medical and dental plans. We are committed to professional development, higher education, and personal growth.

How to Apply

Please forward your résumé electronically to: careers@c-core.ca, stating "Remote Sensing Research Analyst" in the subject line.

C-CORE thanks all applicants; however, only those selected for an interview will be contacted.