



## Senior Research Engineer/Scientist

At C-CORE, we are committed to investing in people and creating a dynamic and rewarding employment experience. We are seeking a **Senior Research Engineer/Scientist** to join our skilled team of engineers and scientists. This is a Senior Level position. The position can be located in St. John's, NL, or in Ottawa, ON.

If you have demonstrated skills in radio frequency and/or photonic and/or general communications signals analysis, an interest in passive and multi-static radio observations (radar, reflectometry, occultation) and a desire to work in a multifaceted environment with a team of talented builders, then C-CORE could be the right environment for you. Our team members consistently demonstrate exceptional problem-solving skills, the desire to work on hard problems, and a natural curiosity that leads to jumping in to help solve problems. We are working on projects from novel techniques for ice forecasting to increased reliability in the detection of resident space objects from space and we are recruiting.

Are you passionate about building cutting-edge technology that makes a real-world impact? Do you thrive in a fast-paced environment where your work supports critical industries like defense and environmental monitoring alongside cutting-edge research & development activities? If so, we want you on our team!

### 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. C-CORE is a world leader in Earth Observation and developing geospatial intelligence solutions. From supporting major contracts in the defense industry to driving environmental monitoring and R&D, our work is critical to the success of our clients, and we are growing.

Join us as we grow our team to deliver innovative solutions that solve complex challenges in optical-based communications technology.

### Position Overview

As a **Senior Research Engineer/Scientist** working on the C-CORE's space and defence related signal analysis projects, you will be an essential part of the team that drives forward novel solutions that lead to practical applications. You will:

- Develop and enhance prototype software systems that include algorithms, machine learning and artificial intelligence.
- Implement algorithms and machine learning models in practical hardware environments.
- Collaborate with a multidisciplinary team of software developers, mechanical engineers, electrical engineers and technologists.
- Mentor other team members to encourage good research development practices.

### Desired Qualifications

- An electrical engineering, computer engineering or science degree (computer science, math or physics). A post graduate degree is required.
- **10+ years of experience** in signal processing, machine learning and artificial intelligence.
- Demonstrated experience in algorithm development environments, such as Matlab.
- Proficiency with radio frequency or photonic systems, and associated technology. Experience with software defined radios and associated development tools (GNURadio) is considered an asset.

### Why Join Us?

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. Here's what makes this role special:

- **Innovative Projects:** Work cutting-edge solutions in AI, defense, environmental monitoring, and R&D.
- **Collaborative Team:** Join a team that values knowledge sharing, curiosity, and is passionate about what we do.
- **Growth Opportunities:** Be part of a growing team with plenty of opportunities for professional development.
- **Impact:** Your work will directly support important national and global initiatives, from defense contracts to climate resilience.
- **Flexible Work Arrangements:** Our standard work arrangement is office-based and there will be significant lab work associated with this position. We offer the possibility of part-time remote work arrangements where appropriate and in line with project needs.

### How to Apply

Please forward your résumé electronically to: [careers@c-core.ca](mailto:careers@c-core.ca), stating "Senior Research Engineer/Scientist" in the subject line.

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