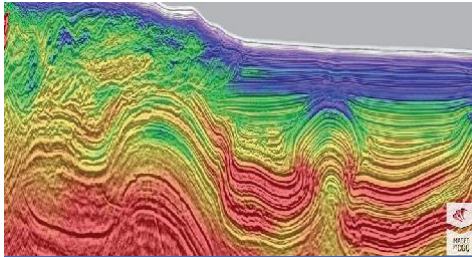


# OTHERS SEE A GRADUATE, WE SEE A FUTURE EXPERT SOLVING COMPLEX CHALLENGES



## IMAGING GEOPHYSICIST / SCIENTIST

This entry-level role is for physicists, mathematicians and geophysicists looking for a career where they can continue to develop their scientific skills and knowledge.

### **Do you want to use physics and mathematics to solve real-world problems?**

The world beneath our feet is incredibly complex and the source of the natural resources fundamental to the functioning of our society.

You will use the latest signal processing, modelling and imaging techniques and among the most advanced compute facilities in the world to build high-resolution 3D images and models of subsurface structure and rock properties for our clients.

### **Educational background**

Integrated or postgraduate Masters or PhD in any of the following disciplines: **geophysics, mathematics, physics, astrophysics/astronomy, earth sciences and natural sciences with a physics specialisation.**

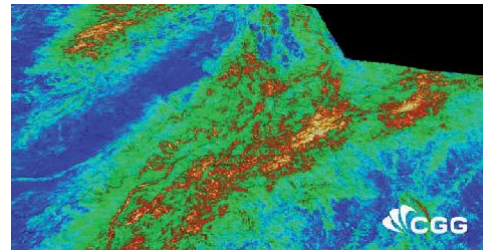
Exceptional performance at BSc level will also be considered.

## Others see a company, we see a global community with decades of scientific expertise

CGG is a global technology and HPC leader that provides data, products, services and solutions in Earth science, data science, sensing and monitoring. Our unique portfolio supports our clients in efficiently and responsibly solving complex digital, energy transition, natural resource, environmental, and infrastructure challenges for a more sustainable future.

### **What do we look for:**

- Logical approach to problem-solving
- Technical knowledge in an area of applied mathematics or physics
- Enthusiastic attitude towards learning and a passion for your subject
- The technical agility to adapt your existing knowledge to a new field
- Evidence of leadership, teamwork or customer service from involvement in university societies, extracurricular activities, volunteering or work experience/internships



### **Our benefits include:**

- Hybrid work environment
- Competitive salary and highly attractive bonus scheme
- Comprehensive training & development programme
- Many discount schemes, including gym membership and a cycle purchase scheme
- Sponsorship of visas/comprehensive relocation packages

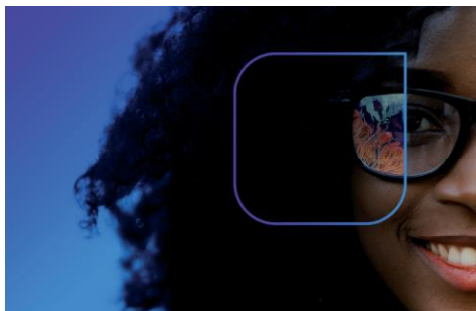
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# OTHERS SEE A GRADUATE, WE SEE A FUTURE EXPERT SOLVING COMPLEX CHALLENGES



## EXCITING CAREER OPPORTUNITIES AVAILABLE!

### Machine Learning Engineer/Researcher Programme

This role is ideal if you have a strong foundation in machine learning (ML) and programming, coupled with an innate curiosity and drive to tackle complex challenges.

You will be primarily responsible for developing and enhancing machine learning algorithms across various projects, including document processing, satellite imagery analysis, and Large Language Models (LLM).

#### Educational Background

Hold a PhD or MSc in Computer Science, Artificial Intelligence, Data Science, or related field.

### Machine Learning Engineer Internship (6 months)

You will have the opportunity to work with a team of experienced engineers and data scientists to solve complex challenges and deliver high-impact solutions

#### Educational Background

Pursuing a PhD or MSc in Computer Science, Artificial Intelligence, Data Science, or related field.

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#### What do we look for:

- Proficient in machine learning and statistics, with hands-on experience in computer vision (CV) or natural language processing (NLP); understanding of large language models (LLM) is a plus.
- Skilled in object-oriented programming using Python.
- Familiar with PyTorch or other machine learning frameworks
- Excellent problem-solving skills
- Strong communication skills, both written and verbal



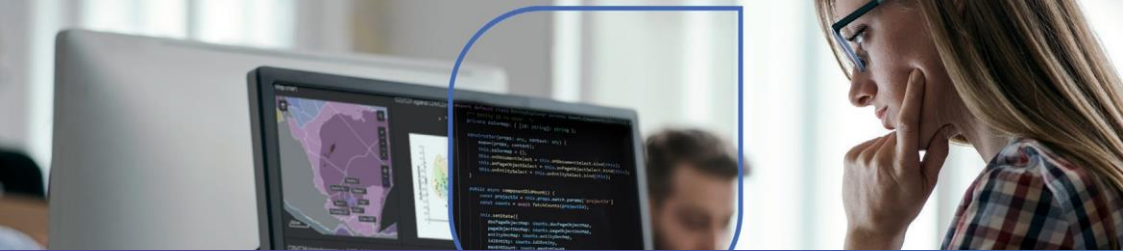
#### Our benefits include:

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# OTHERS SEE ONLY A SOFTWARE WE SEE THE PEOPLE BEHIND THE TECHNOLOGY



## EXCITING CAREER OPPORTUNITIES AVAILABLE!

### Software Developer (Engineer) 2024 Programme

You will develop and maintain software applications, components, and technologies that are used for high-end geophysical data analysis. You will work to create functional and efficient application interfaces and build and release processes. You will participate in design discussions, development, and deployment in large scale state-of-the-art computing facilities across the world with a geographically dispersed developer team and user base.

#### Educational Background

Educated to a BSc/BEng, Master's degree or higher in Computer Science or another field with a programming emphasis, or relevant work experience

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#### Key skills:

#### Essential:

- C/C++ fluency
- Object-oriented programming / API design experience
- Debugging / profiling / optimizing experience
- Experience with scientific computation or OpenGL/GLSL
- Experience with full life-cycle of development, including product release
- Innovative mindset
- Highly motivated and eager to learn
- Strong communication and problem-solving skills

#### Desirable:

- Experience with Linux Operating System Kernels and multi-threaded programming
- Experience with cross-platform / large scale software development
- Experience with GUI libraries, specifically Qt
- Strong 3D math skills (linear algebra, vector math)
- Familiar with Python/C++11/STL



#### Our benefits include

- Hybrid work environment
- Competitive salary and highly attractive bonus scheme
- Comprehensive training & development programme
- Many discount schemes, including gym membership and a cycle purchase scheme
- Sponsorship of visas/comprehensive relocation packages:

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