

Internship in the Chief Scientist's Office

Internship title: Investigating the state of autogenerative artificial intelligence (AI) methods in the Earth Sciences and its potential applications of EUMETSAT satellite data

EUMETSAT intends to develop a strategic action plan, building on existing experience and facilitating the exploitation of EUMETSAT data through the Artificial intelligence (AI) and Machine learning (ML) potential, understanding its limitations and strengths.

This internship is well aligned with key EUMETSAT priorities in order to further exploit satellite data through AI/ML methods. EUMETSAT is the only organization that can offer the possibility to work on planning AI/ML applications to satellite data.

We are looking for a motivated student intern to join the Chief Scientist Division. The intern will have a unique opportunity to work on cutting-edge artificial intelligence topics, and to develop key soft-skills based on the knowledge learned in the academic environment.

The intern will have the possibility to interact with different divisions across organisation.

Duties

The main tasks of the internship will be to:

- Understand a market and literature analysis to see where autogenerative AI has been applied across various the Earth sciences, including the Large Language Model (LLM) - e.g. ChatBots - or Generative-Adversarial Networks (GANs);
- Review generative AI applications within agencies, companies and met services, and the literature, identifying historical trends and
- Design and run a survey to analyse attitudes across several different stakeholders (EUMETSAT, partner agencies, Met Services) towards the uses of generative AI.
- In addition, the intern will support relevant day-to-day activities within the team.



LOCATION

Darmstadt, Germany



QUALIFICATIONS

The internships are open to bachelor and master students with mandatory internship requirements in relevant disciplines such as Applied Math, Data Science, Artificial Intelligence, & Digital Business, Applied Artificial Intelligence and Digital Transformation, Computer Science with AI specialization, Environmental/Earth s Sciences, Aerospace Engineering.



LANGUAGES

The official languages of EUMETSAT are English and French. It is necessary to be able to work effectively in English.



DEADLINE

making logical
extrapolations as to where
the potential lies in the
future;

20 November 2023

Skills and Experience

- Have the ability to work effectively in English;
- Be computer literate;
- Be intrinsically motivated and curious about the internship subject;
- Be able to work independently and collaboratively;
- Have the ability to take the initiative in researching ideas;
- Have the ability to collect, collate, conceptualize and present information clearly.

Additional specific requirements:

- First experience in developing projects within a team would be an advantage.

Employment Conditions

Length of internship: **3 months**

Anticipated start date: **Spring 2024**

The internship will require a non-disclosure agreement and potentially a basic background check for the intern, due to the sensitivity of the provided information.

No salary is paid to interns who are still in studies, however a daily allowance and contribution to travel / accommodation costs may be provided. The conditions will be established taking into account the requirements and policy of the intern's educational institution.

Interns are responsible for providing their own health and accident insurance and for finding their own accommodation in Darmstadt.

EUMETSAT is committed to providing an equal opportunities work environment for men and women.

Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT.

About EUMETSAT

EUMETSAT is Europe's meteorological satellite agency. Its role is to establish and operate meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.)

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