



Offer #2025-08656

AI and Space Physics Research Intern in a Start-Up

Contract type : Internship

Level of qualifications required : Graduate degree or equivalent

Fonction : Internship Research

Context

Who Are We?

Augura Space is a future start-up incubated at Inria Start-up Studio. Our ambition: to revolutionize space weather forecasting with cutting-edge artificial intelligence models.

We are at the very beginning of an exciting journey, with a clear mission: to provide reliable space weather forecasts that protect satellites and optimize their operations. You will work in a dynamic environment, collaborating with prestigious institutions (Inria, CNES, ESA, ONERA) and key players in the space industry.

Assignment

Your Role

As an AI and Applied Space Physics Intern, you will work alongside our AI & Space Physics Engineer. You will be involved in the various stages of developing our predictive models and contribute actively to the project's progress.

Main activities

- Developing and optimizing AI models for space weather forecasting
- Analyzing and processing space and satellite data

- Conducting scientific research and applying AI in physics
- Collaborating with academic and industry partners
- Participating in strategic discussions on product evolution
- Publishing research in leading scientific journals

Skills

Required Skills

- Background in artificial intelligence, machine learning, or physics
- Strong programming skills in Python and ML frameworks (TensorFlow, PyTorch, etc.)
- Solid understanding of physics and scientific data analysis
- Proficiency in English (written and spoken)
- Ability to work both independently and in a team

Bonus Skills

- Experience with satellite data
- Knowledge of HPC environments
- Scientific publications or open-source contributions

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

General Information

- **Town/city** : Paris
- **Inria Center** : [Centre Inria de Paris](#)
- **Starting date** : 2025-03-17
- **Duration of contract** : 5 months
- **Deadline to apply** : 2025-03-31

Contacts

- **Inria Team** : INCUB-PRO

- **Recruiter :**
Ginisty Francois / francois.ginisty@inria.fr

About Inria

Inria is the French national research institute dedicated to digital science and technology. It employs 2,600 people. Its 200 agile project teams, generally run jointly with academic partners, include more than 3,500 scientists and engineers working to meet the challenges of digital technology, often at the interface with other disciplines. The Institute also employs numerous talents in over forty different professions. 900 research support staff contribute to the preparation and development of scientific and entrepreneurial projects that have a worldwide impact.

The keys to success

We are looking for a final-year Master's student (MSc) in a relevant field, passionate about AI and physics applied to space. You are autonomous, curious, and eager to be part of an innovative entrepreneurial project.

Warning : you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.

Instruction to apply

Defence Security :

This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST). Authorisation to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as defined in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

Recruitment Policy :

As part of its diversity policy, all Inria positions are accessible to people with disabilities.