



Offer #2024-08515

Research Engineers - Exploring alternative training for generative neural models

Contract type : Fixed-term contract

Renewable contract : Yes

Level of qualifications required : PhD or equivalent

Fonction : Tempary Research Position

Level of experience : Recently graduated

Context

As part of the training of generative language models as done in Almanach the past few years.

Is regular travel foreseen for this post ?

Travels for presenting results at conferences are planned and fully funded.

Computing resources:

access to high level Inria clusters and to the Jean Zay HPC cluster are granted.

Assignment

Assignments :

Large scale experiments of alternate loss objective.

Contact Benoit Sagot for more informations.

Collaborations :

The person recruited will work in close liaison with Almanach's PhD Students

Responsibilities :

The person recruited is responsible for developing algorithms and models and evaluating performance through large-scale experiments. They will take all the necessary scientific initiatives and will have to contribute to the publication of their results within the framework of the project.

Steering/Management :

The person recruited will be placed under the co-scientific responsibility of Djamel Seddah, Eric de la Clergerie and Benoit Sagot, scientific manager of the ALMANACH team.

Main activities

Main activities :

- Establishing the state of the art of relevant techniques to the project
- Software development
- Conducts of experiments
- Preparation of reports and publications
- Release as open source the resulting software and resources

Skills

Technical skills and level required :

Excellent level of python + all tools needed for data science, deep learning and natural language processing.

Experience with large scale experiments

Relational skills :

Team worker, autonomous and eager to disseminate results.

Other valued appreciated :

Enthusiasm, team spirit.

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training

General Information

- **Theme/Domain :** Language, Speech and Audio
- Software Experimental platforms (BAP E)
- **Town/city :** Paris
- **Inria Center :** [Centre Inria de Paris](#)
- **Starting date :** 2025-02-01
- **Duration of contract :** 3 months
- **Deadline to apply :** 2025-02-20

Contacts

- Inria Team : [ALMANACH](#)
- Recruiter :
Seddah Djame / Djame.Seddah@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

autonomy, dynamism and thoroughness.

A real interest in language and its challenges.

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.