Offer #2025-09148

Front-end and back-end web development for corpora annotation and exploitation

Contract type : Fixed-term contract

Level of qualifications required : Graduate degree or equivalent

Other valued qualifications : PhD

Fonction : Temporary scientific engineer

Level of experience : Up to 3 years

Context

This position is available as part of the Autogramm project which is funded by the ANR. Project partners include the Modyco team (Paris Nanterre), LaCiTo (CNRS), LISN (Université Paris-Saclay) and Inria Centre at Université de Lorraine.

The role involves participating in the development of web tools linked to the Autogramm project. This involves continuing to maintain and develop the ArboratorGrew tool, as well as developing a new tool to exploit the research results produced by the project.

The post is based in Nancy, but regular travel to Paris to meet the other project partners is planned. Travel expenses will be covered within the limits of the current scale.

Assignment

The aim of the ANR Autogramm project (autogramm.github.io) is to automate observations on languages based on annotated data.

The project also promotes the development of treebanks for under-endowed languages, in order to extract descriptions for these languages.

With the help of the researchers involved in the ANR Autogramm project, the person recruited will be required to manage the evolution of existing tools and the development of new tools specific to the project, in particular grammar extraction tools; these tools are currently prototypes that will need to be made available to the community.

Given the variety of users (the project researchers are computer scientists and linguists in the field), all the tools are available in the form of web services. The project website provides a summary of the scientific objectives and links to the tools that will be at the heart of the missions (in particular ArboratorGrew and Grew-match).

We are looking for a full-stack developer with an interest in languages. Knowledge of web technologies is desirable, particularly backend technologies such as Python (Flask, Django, etc.) and frontend technologies such as JavaScript (Vue.js, React, etc.).

The engineer will be in contact with these different types of users and will need to collaborate with them to adapt the tools to their needs and provide support.

They will be responsible for coordinating developments with the project's researchers, doctoral and postdoctoral students, and will participate in the supervision of trainees.

Main activities

Main activities:

- Coordinating the maintenance of existing tools
- Developing new features (e.g. grammar extraction)
- Leading a user community
- Assisting users (organising training)

Additional activities:

- Contributing to the promotion of the results (publications)
- Writing documentation

Skills

Technical skills and level required :

- Engineering level or Master's degree in IT or Natural Language Processing
- Front-end and back-end web development (mastery of one or more of the project technologies is desirable: Vue.js, quasar, flask)
- Knowledge of development methodologies: non-regression testing, git, github and continuous integration systems.

Languages :

- Good command of English or French

Other valued appreciated :

- Linguistics

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
- Social security coverage

Remuneration

From €2692 gross/month depending on qualifications and experience

General Information

- **Theme/Domain :** Language, Speech and Audio
  Web development (BAP E)
- **Town/city :** Villers lès Nancy
- **Inria Center :** Centre Inria de l'Université de Lorraine
- **Starting date :** 2025-11-01
- **Duration of contract :** 12 months
- **Deadline to apply :** 2025-08-11

Contacts

- **Inria Team :** SEMAGRAMME
- **Recruiter :**
  Guillaume Bruno / bruno.guillaume@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

An interest in a multidisciplinary environment (IT, applied linguistics, field linguistics) would be appreciated.

A taste for working in a research environment would be valuable addition. A thesis in the field would be a real asset.

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.