Offer #2024-07827

NLP engineer (Knowledge Representation and Processing)

Contract type : Fixed-term contract

Level of qualifications required : Graduate degree or equivalent

Fonction : Temporary scientific engineer

Level of experience : Up to 3 years

Context

iDiscover is a startup incubated by INRIA offering a SaaS service based on an innovative framework, designed to enhance human-machine communication for any application that integrates it. By integrating this framework, applications can move into the other dimension, that of applications that communicate naturally with human.

Assignment

We're looking for talented people with a passion for using recent advancements in NLP and prompt engineering to develop algorithms that can simulate human reasoning processes (thought, action, observation).

Collaboration :
The recruited person will be in connection with the future CEO/CTO of the startup for defining the action plan.

Main activities

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- Good understanding of the NLP models and their algorithms in order to solve complex language-related problems (simulation of human reasoning processes (thought, action, observation)).
- Implement and optimize NLP solutions for tool choosing (Toolformer).
- Evaluate and fine-tune NLP models for performance, scalability, and accuracy.
- Work with the project team to ensure seamless integration throughout solution development.
- Create and maintain documentation for NLP models, processes, and tools.

Additional activities:

- Stay up-to-date with the latest advancements in NLP and machine learning by reading the most recent research articles.

Skills

Technical skills:

- Proven experience in NLP, machine learning, and data analysis.
- Strong programming skills in Python and familiarity with NLP libraries such as NLTK, spaCy and Hugging Face Transformers.
- Experience with machine learning frameworks like TensorFlow, PyTorch, or similar.
- Knowledge of deep learning techniques and neural network architectures.

Additional skills:

- Familiarity with the LangChain framework.
- Familiariry with software engineering principles.

Relational skills:

- Self-sufficiency

Langages:

- English (mandatory), French

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

General Information

- **Town/city** : Paris
- **Inria Center** : [Centre Inria de Paris](#)
- **Starting date** : 2024-08-01
- **Duration of contract** : 9 months
- **Deadline to apply** : 2024-07-10

Contacts

- **Inria Team** : INCUB-PRO
- **Recruiter** :
  Dahhani Abdelhafid / abdelhafid.dahhani@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 collaborator who embodies the following essential qualities and skills, combining both necessary and sufficient attributes for success:

Tastes and Appetencies:

- Passionate about leveraging recent advancements in NLP and prompt engineering.
- Eager to explore and implement cutting-edge technologies.

Area of Excellence:

- Expertise in developing algorithms that simulate human reasoning processes (thought, action, observation).
- Strong background in machine learning, deep learning, and natural language processing.

Personality or Character Traits:

- Innovative and driven by curiosity.
- Strong problem-solving skills and an analytical mindset.
- Excellent communication skills and the ability to work collaboratively in a dynamic team environment.

Cross-Disciplinary Knowledge and Expertise:

- Experience working with interdisciplinary teams and integrating diverse perspectives.
- Ability to translate complex technical concepts into practical solutions.

> **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.