SKOPAI

DeepTech Insights

DATA SCIENTIST (Permanent position/French "CDI")

Application letter and resume to be sent to: *contact@skopai.com*

SKOPAI

SKOPAI is a start-up company created in July 2017, as a spin-off of the University of Grenoble Alpes. Its founders are experienced actors of the French innovation and digital scene.

SKOPAI combines skills in innovation expertise, data science and IA to build a cognitive platform about the Tech startups.

SKOPAI is hiring Data Scientists specialized in probabilistic and neural natural language generation for rapid prototyping of NLG systems.

Required qualifications of the applicants

The applicants should have a PhD in computer science or applied mathematics with knowledge on NLP, cognitive science or other areas relevant to the themes. They should also have publication records in top conferences or journals in machine learning, AI or NLP.

High level of English is a necessary prerequisite. Knowledge of French would be a plus.

The applicants should be autonomous and proactive in an agile environment, should be able to work in a multi-disciplinary environment, including interaction with "soft" scientists, and should have excellent skills in drafting and in scientific/Tech communication.

Scientific and Tech (development) requirements:

- Significant experience in natural language generation (NLG), natural language processing or machine learning (in particular neural networks);
- Advanced skills in Probabilities and Statistics;
- Advanced programming skills (Java, C/C ++);
- Mastering Python is mandatory.

Professional expertise:

- Experience in crawling and scraping of web sites;
- Ability to work with and deploy data through APIs;
- Experience to apply supervised, unsupervised and semi-supervised learning techniques;
- Experience with Machine Learning pipelines: data ingestion, feature engineering, modeling including ensemble methods, predicting, explaining, deploying and diagnosing over fitting;
- Experience in model selection and sampling.

Description of the position

The main tasks of the position will be the following ones:
- Crawl, mine, analyze, and model large structured and unstructured datasets, and apply advanced statistical predictive models and leading machine learning algorithms to generate automatically proposition of analysis according to the SKOPAI methodology:
    - Design and implement a generation chain from data (Natural Language Generation);
    - Design and implement methods for text generation evaluations and comparisons to support decision making;
    - Study of automatic learning methods facilitating the design of the generation chain.
    - Analyze the uses and propose appropriate algorithms;
    - Implement test sets.

- Rigorously evaluate data quality for current and new data sources to ensure completeness, accuracy, and appropriate interpretation. Work with other colleagues (data scientists, data model specialists, innovation experts) to improve data quality monitoring and consistency.

Localization

The position is located at SKOPAI R&D offices at IMAG (https://batiment.imag.fr/) nearby Grenoble, capital of the French Alps and "technology city" in France and Europe.

Salary, compensation, working hours

The open position is a full-time position.

The yearly gross salary for the position ranges from 30 to 38 k€ (full time position) depending on experience and qualifications.

In addition to the salary, the contract includes health benefits resulting from the French (comprehensive) social security system.