2018-00961 - Research Engineer in Data Science, M/F

Contract type : Public service fixed-term contract
Level of qualifications required : Graduate degree or equivalent
Other valued qualifications : PhD
Fonction : Temporary scientific engineer
Level of experience : From 3 to 5 years

About the research centre or Inria department
For 10 years, the Inria Lille - Nord Europe center has been located at the heart of Lille’s academic and scientific ecosystem, as well as at the heart of the Frenchtech with a technological showroom, based on the Lille-based Avenue de Bretagne, on the site of economic excellence. dedicated to Information and Communication Technologies (ICT), EuraTechnologies.

Context
Within the framework of a Europian funding project "EIT Digital- Industry 4.0", in collaboration with APSYS-AIRBUS and NOKIA Germany, the expected outcomes are a set of data-science methods, algorithms and plugins for predictive maintenance et more precisely for Root Cause Analysis.

Features of these plugins will enable manufacturers to identify why and where a failure or anomaly occurred and ease dysfunctional goods reparation.

Assignment
Within the Technology Transfer Office, and with the help of Inria researchers from MODAL team and from Inria Technology Transfer Officers, the recruited person will analyse the needs and datas from the partners of the project, and carry out R&D actions to develop plugins.

Main activities
- Analyse available data, and the requirements in terms of plugins functionnalities and integration technical specifications,
- Propose methods & algorithms to adress the problem,
- Develop and test plugins,
- Facilitate the integration by partners of the plugins developed,
- Present the progress of the work to the partners, together with Inria researchers and Technology Transfer Officers

Skills
Scientific and Technical skills required :
- Solid skills in Machine Learning and statistical learning (clustering algorithm, SVM, logistic regression, random forests)
- Proficiency of at least one technology among R, Python and C++

Languages :
- Fluent in English
- Upper Intermediate in French (level B2 of common european framework)

Relational skills : Apreciate teamwork

Other valued appreciated :
- Knowledge in the field of maintenance and prognosis,
- Knowledge in the field of operational safety,

Benefits package
- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave

Remuneration
Remunerating according to profile.

General Information
- Town/city : Lille
Inria Center: CRI Lille - Nord Europe
Starting date: 2018-11-02
Duration of contract: 12 months
Deadline to apply: 2018-09-30

Contacts
Inria Team: STIP-LNE
Recruiter: Correard Margot / margot.correard@inria.fr

About Inria
Inria, the French National Institute for computer science and applied mathematics, promotes “scientific excellence for technology transfer and society”. Graduates from the world’s top universities, Inria’s 2,700 employees rise to the challenges of digital sciences. With its open, agile model, Inria is able to explore original approaches with its partners in industry and academia and provide an efficient response to the multidisciplinary and application challenges of the digital transformation. Inria is the source of many innovations that add value and create jobs.

The keys to success
You are curious, dynamic, enthusiastic and passionateated about Machine Learning. You are willing to learn and to work in a scientific environment with the goal of satisfying industrial partners.

Conditions for application
Full applications (CV + cover letter) will be given in priority.

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.

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.