Offer #2023-07062

Senior software development research engineer in Data Sciences and Machine Learning

**Contract type:** Fixed-term contract

**Renewable contract:** Yes

**Level of qualifications required:** PhD or equivalent

**Function:** Temporary scientific engineer

**Level of experience:** From 3 to 5 years

**About the research centre or Inria department**

The Inria centre at Université Côte d’Azur includes 37 research teams and 8 support services. The centre’s staff (about 500 people) is made up of scientists of different nationalities, engineers, technicians and administrative staff. The teams are mainly located on the university campuses of Sophia Antipolis and Nice as well as Montpellier, in close collaboration with research and higher education laboratories and establishments (Université Côte d’Azur, CNRS, INRAE, INSERM …), but also with the region’s economic players.

With a presence in the fields of computational neuroscience and biology, data science and modeling, software engineering and certification, as well as collaborative robotics, the Inria Centre at Université Côte d’Azur is a major player in terms of scientific excellence through its results and collaborations at both European and international levels.

**Assignment**

As a research engineer, you will be attached to the EPIONE Research Group. You will work on the development of the software Fed-BioMed within the European project EUCAIM. This project is the result of the synergy between research and engineering teams for the development of an open framework for federated learning in healthcare. The project is in collaboration with an international network of clinical collaborators and hospitals, that will provide clinical use cases for the translation of the development work into the real world. The project is based on Agile development methods, and is supported by the French National Plan Intelligence Artificielle.

At the end of this experience, you will have consolidated a broad range skills in software engineering with application to a unique scientific context, through the deployment of top-notch Data Science paradigm. This experience will allow you to consider careers as an engineer in research and development in national organizations (Inria, INRAE, CNRS, CEA), industrial research centers, SMEs and digital start-ups.

**Main activities**

The engineer will be mainly involved in the software developments within the framework of the project Fed-BioMed. She / He will also participate in the design and development of highly innovative scientific software platforms for scientific research and experimentation activities.

The engineer will also work on the co-development of prototype software integrating the technological core ideas proposed by the researchers. The engineer will work within a software development team using agile methodologies (mixed Scrum–Extreme Programming method), in a context where she / he will be able to constantly improve her / his skills.

**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 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
- Contribution to mutual insurance (subject to conditions)

**Remuneration**
General Information

- Theme/Domain: Computational Neuroscience and Medicine
  Biologie et santé, Sciences de la vie et de la terre (BAP A)
- Town/city: Sophia Antipolis
- Inria Center: Centre Inria d'Université Côte d'Azur
- Starting date: 2024-02-01
- Duration of contract: 2 years
- Deadline to apply: 2024-01-28

Contacts

- Inria Team: EPIONE
- Recruiter: Lorenzi Marco / Marco.Lorenzi@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.

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.