

Opened Position

The Interdisciplinary Institute of Artificial Intelligence "3IA Côte d'Azur" is looking for

Software Development Engineers

Transfer & Innovation in Data Science and IA

2 Positions to be filled on 2021

Job title: Software Development Engineer expert on Data Science and AI.

Level of qualification required: Bac + 5 (Engineer, Master)

Other diploma appreciated: PhD, post-doc in digital science

Job location: Sophia Antipolis

Type of recruitment: 2-year fixed-term contract – renewable

PRESENTATION OF THE ESTABLISHMENT

Université Côte d'Azur is an experimental University since January 1, 2020 and replaces both the University of Nice Sophia Antipolis created in 1965 and the **Community of Universities and Institutions Université Côte d'Azur** created in 2015. Université Côte d'Azur now brings together 17 major academic players around the historic university core to build one of the 10 major French universities that are intensive in research.

Winner of the Idex call for projects in 2016 (UCA^{JEDI} - Joint Excellent and Dynamic Initiative) which places it among the top 10 French universities for intensive research, it aims to build a 21st century university whose excellence will allow increase national and international visibility and attractiveness and ultimately be among the best universities in the world.

Université Côte d'Azur carries the Interdisciplinary Institute of Artificial Intelligence **3IA Côte d'Azur**. 3IA Côte d'Azur is one of the four "Interdisciplinary Institutes of Artificial Intelligence" created in France in 2019. Its ambition is to create an innovative ecosystem, influential at local, national and international levels, and a focal point of excellence for research, education and the world of AI. Its main objective is to make AI expertise, algorithms and tools available to academics, businesses and the community, in order to have a significant impact in terms of economic value but also in public everyday life.

GENERAL MISSION OF THE POSITION

The engineer will carry out software developments within the framework of collaborations between 3IA Côte d'Azur and its economic partners such as companies. The developments will consist in carrying out proof-of-concepts, prototypes, implementing the proposals from the researchers the supervising the collaboration. These developments aim to validate a scientific approach on one or

more use cases submitted by a company. Developments can be part of a technology transfer agreement with the company.

WORKPLACE

The place of work is in Sophia Antipolis, close to Nice in the French Riviera. The engineer may occasionally be required to travel to the sites of Université Côte d'Azur and its partners, and to companies with which 3IA Côte d'Azur collaborates.

MAIN ACTIVITIES

The engineer will work on the co-development of prototype software integrating the technological bricks offered by the researchers under a research contract. The engineer will work within a software development team using agile methodologies (mixed Scrum-Extreme Programming method), in a context where the engineer will be able to constantly improve his / her skills. During his mission, the engineer will be able to catch any opportunity to create or participate in a start-up project that relies from a technology transfer project. The activities of the mission are mainly:

- Technical analysis of software solution needs and effort estimation;
- Technical proposal for software developments and software developments;
- Writing of user documentation;
- Support and maintenance of developed software.

SKILLS

Education and Experience

- Computer training / software development / software engineering.
- Solid experience in software development.
- Experience in project development, if possible using the agile methodology.
- Experience in Linux development.
- Training and / or experience in one or more of the following fields: Data science / Statistics, Machine Learning, Artificial Intelligence
- Knowledge / experience in an R&D environment (public or private).

Required skills

- Programming languages: Python, C, C ++, or Javascript
- Practice of Machine Learning environments (eg PyTorch, TensorFlow)
- Knowledge of agile methodology
- Good writing skills.
- Good level of technical and scientific English both oral and written
- Autonomy, curiosity and taste for teamwork.

Appreciated Skills

- Cross-platform compilation and packaging techniques and tools, eg cmake, docker.

- Development tools: version manager (decentralized if possible, eg Git), automatic documentation tools, automatic testing tools and continuous integration (eg Jenkins).

SALARY

Upon the education level and experience.

SOCIAL ADVANTAGES

- Establishment restaurant
- Social Security
- Paid vacation
- Arrangement of working time
- Sports facilities

RECRUITMENT PROCEDURE

Applicants must send the following documents electronically, no later than **March 31 2021**, to 3ia.contact@univ-cotedazur.fr:

- Curriculum vitae, clearly specifying your skills
- Cover letter.