



## Description of employer

Université Côte d'Azur is a large public scientific, cultural and professional institution whose fundamental missions are the higher education of students and professionals, excellence in research, and innovation in the service of all. Since January 1, 2020, we have strived to build a 21st century French university, based on new interactions between disciplines (multidisciplinarity and transdisciplinarity), and driven by dynamic collaborations that connect education, research and innovation, as well as strong local, national and international partnerships with the public and private sectors.

Université Côte d'Azur is committed to a path of transformation and excellence. This goal is being achieved through the UCA<sup>Jedi</sup> project which was awarded the Initiative of Excellence (IDEX) label in 2016, through the Interdisciplinary Institute for Artificial Intelligence (3IA) Côte d'Azur created in 2019, and through the establishment of Graduate Schools (EUR). The university aims to be a major research-intensive university that is both grounded in our region and internationally oriented. Université Côte d'Azur directly employs more than 3,000 staff and welcomes more than 30,000 students each year.

Université Côte d'Azur has many campuses, mainly in Nice, Sophia Antipolis and Cannes but also widely distributed between Seyne-sur-Mer and Menton. It occupies a special place between the sea and the mountains, providing an ideal environment for its staff and students. Its location in the heart of Europe combined with ease of access via Nice Côte d'Azur International Airport makes it a gateway to the academic and scientific world.

Université Côte d'Azur leads the Interdisciplinary Institute for Artificial Intelligence "3IA Côte d'Azur": a consortium of research and higher education institutions that brings together CNRS, EURECOM, INSERM, Inria, and SKEMA Business School. 3IA Côte d'Azur is one of the four "Interdisciplinary Institutes for Artificial Intelligence" created in France in 2019. Its ambition is to create an innovative

ecosystem that is a hub for AI research and education excellence and is influential at the local, national and international level. Its main objective is to make AI expertise, algorithms and tools available to academics, companies and the community, in order to have a significant impact both economically and in everyday life. <https://3ia.univ-cotedazur.eu/>

Find out more at [Working at Université Côte d'Azur](#)

## Job description

The engineer will develop software within the framework of innovation and outreach projects of 3IA Côte d'Azur drawing on the Institute's technology and scientific results. The engineer will work within a software development team using agile methodologies (mixed-method Scrum-Extreme Programming), in an environment that will constantly develop his/her skills. The engineer must also be able to lead training sessions on AI for company engineers, researchers or students, up to 64 hours ETD per year according to the needs of the Institute.

## Principal activities

An essential part of the development will be carried out within the framework of collaborations between the Institute and the public and private sector (companies, start-ups, public institutions, or local authorities). The engineer will work on the codevelopment of prototype software integrating technological components proposed by researchers working on contract. This work will aim to validate a scientific approach through one or more use cases presented by a company. Software developed may be part of a technology transfer agreement with the company. The engineer may also be asked to develop software for technologies developed by laboratories and research teams at the Institute. This software may be used for demonstrations displayed on the Institute's "showcase of expertise" webpage. The engineer will be asked to draw on the team's skills to produce training material and to deliver it to engineers, researchers, or engineering school or Master's students.

The activities of the position are mainly:

- Technical analysis of software solution requirements and effort estimation.
- Technical proposals and development of software.
- Drafting of user documentation.
- Support and maintenance of developed software.
- Design of training modules.

During the term of the contract, the engineer may take any opportunity to participate in start-ups that arise from technology transfer projects.

## Your profile:

### Required skills and qualities

#### Experience and training required

- Background in computer science / software development / software engineering.
- Extensive experience in software development.

- Experience in project development, if possible using the agile methodology.
- Linux development experience.
- Training and/or experience in one or more of the following areas: Data science / Statistics, Machine Learning, Artificial Intelligence, NLP.

### **Skills/competences**

#### **Required**

- Programming languages: Python, R, C, C++, or JavaScript.
- Practical experience of Machine Learning environments (e.g., PyTorch, TensorFlow).
- Knowledge of agile methodology.
- Very good writing skills
- Good level of technical and scientific English, both spoken and written.
- Autonomy, curiosity and good teamwork.

#### **Desirable**

- Ability to develop client-server web interfaces (JavaScript, PHP, HTML).
- Techniques and tools for cross-platform compilation and packaging, e.g., CMake, Docker.
- Development tools: version manager (distributed if possible, e.g., Git), automatic documentation tools, automatic testing tools and continuous integration (e.g., Jenkins).
- Experience in a public or private R&D environment in software development.
- Teaching or training experience.

### **Job location**

The workplace is at the Inria center of Université Côte d'Azur in Sophia Antipolis. The engineer may occasionally be required to travel to other campuses of Université Côte d'Azur and its partners, and to companies with which the 3IA Côte d'Azur Institute collaborates.

### **Application conditions:**

Degree level required: Engineering School degree, Master's degree (Bac+5)

Other qualification appreciated: PhD / Post-doc in AI

Desired experience: 2 years

Recruiting Type: fixed-term contract until December 31, 2023 – renewable.

Desired starting date: June 01, 2022

Recruitment Level: Category A

### **Remuneration:**

Depending on degree and experience.

### **Further information:**

Applications, including a curriculum vitae **clearly specifying your skills** and a cover letter, must be sent to the following address: [3ia.contact@univ-cotedazur.fr](mailto:3ia.contact@univ-cotedazur.fr) with copy to [recruitment@univ-cotedazur.fr](mailto:recruitment@univ-cotedazur.fr) before May 11, 2022.

[All of our positions are open to people with disabilities.](#)

*Find all our available positions on the web portal [Working at Université Côte d'Azur](#)*