2018-00315 - [GRAPHDECO] Software Engineer

Level of qualifications required: Graduate degree or equivalent
Fonction: Temporary scientific engineer

About the research centre or Inria department

The Inria Sophia Antipolis - Méditerranée center counts 37 research teams and 9 support departments. The center’s staff (about 600 people including 400 Inria employees) is composed of scientists of different nationalities (250 foreigners of 50 nationalities), engineers, technicians and administrators. 1/3 of the staff are civil servants, the others are contractual. The majority of the research teams at the center are located in Sophia Antipolis and Nice in the Alpes-Maritimes. Six teams are based in Montpellier and a team is hosted by the computer science department of the University of Bologna in Italy. The Center is a member of the University and Institution Community (ComUE) “Université Côte d’Azur (UCA)”.

Assignment

She / he will be in charge of developing software components for the PicPlay startup. PicPlay technology is an Image-Based Rendering approach building on the research results developed by the REVES & GRAPHDECO Inria research teams. Most relevant papers:
http://www-sop.inria.fr/reves/Basilic/2016/HRDB16/
http://www-sop.inria.fr/reves/Basilic/2015/ODD15/
http://www-sop.inria.fr/reves/Basilic/2013/CDSD13/

The mission involves developing the software basis for a future product, and in particular creating product-level prototypes for application of these technologies to our client’s problems.

Main activities

This mission includes:
- Developing C++ libraries and programs
- Creating Proofs of Concepts, Demonstration application

Skills

Required qualities (essential):
- Motivation for the discussed technology
- Highly Skilled, Autonomous

Required skills:
- highly desired - Tools: Visual Studio, cmake, git
- desired / appreciated - Unity Engine, C# mono, Unreal Engine, OpenSceneGraph

Required Diploma and experience:
- Master of Engineering in Computer Science, specializing in Computer Graphics or Computer Vision.

Benefits package

- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave
- Flexible working hours
- Sports facilities

Remuneration

Gross Salary per month: 2562€