Deepsky is looking for **C++ or Python developers** to be part of its **Software team**. Depending on the applicant wishes, the job can be based in **Paris or Hong Kong**.

Deepsky is a fast growing technology start-up that has designed a new generation of high resolution, large format LED displays for commercial applications. Deepsky operates globally, with customers in the USA, Europe and Asia.

These novel digital displays integrate many advanced technologies: solid-state light-emitting devices, backend chip integration & encapsulation, novel video frames processing and pixel structures, ASIC based digital signal processing, reliable power distribution, thermal & mechanical design.

Deepsky's customers are blue chip companies operating in the Retail, DOOH and pro-AV markets.

Deepsky's headquarter, R&D center and pilot manufacturing facilities are all located in Hong Kong (Tsuen Wan area). Deepsky has a R&D team dedicated to software developments in Paris, and sales offices in Paris, Hong Kong and San Francisco.

**CONTEXT**

Deepsky is developing as set of advanced production equipments designed for fully automated operations. Organized in integrated process islands, a collaborative approach structures the workflow through the different manufacturing steps and robots.

The machines integrate advanced perceptive capabilities and Python for the applications layer.

This architecture mandates a software control that goes beyond the limits of traditional programmable logics.

**THE JOB**

Deepsky develops a C++ based framework to control its entire machine production fleet. Deepsky Robotics Framework is designed to be a highly modular and versatile set of tools : from communication with specific hardware to multi-robot/multi-station synchronisation, or from vision based machine learning to dedicated robotics stations Human Machine Interfaces.

The candidates will take part in developing many aspects of the software project, from the C++ framework to the Python application layer describing the manufacturing processes.

Foreign applicants are welcome, we can offer support for VISA applications and relocation to Hong Kong.

**TECHNOLOGIES**

- C++, Python, ROS, Qt
- EtherCAT bus
- Computer Vision / Machine Learning
- XYZ gantry control, SCARA arm control
- MultiRobot/MultiStation communication and synchronisation

**REQUIRED SKILLS**

- Degree holder in Computer Science or related Engineering disciplines
- Good knowledge of C++
- Linux environment, Git
- Good command of English

**CONTACT**

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