Internship in Quantum Sensing

ID Quantique is looking for an Intern in Quantum Sensing to join the R&D department based in the Geneva headquarters. IDQ is the leader in quantum sensing based on single-photon detection. In the recent years, we developed and commercialized a system based on superconducting-nanowire single-photon detectors, which offer unrivalled performances. These detectors are used in state-of-the-art quantum technologies and in high-profile industrial applications such as test equipment for the upcoming Ariane 6 launcher. The intern will join our Superconducting-nanowire single-photon detector (SNSPD) team to work on the development, testing and production aspects of this technology.

Duration: 2 to 6 months (to be discussed)

Desired Profile:

- BSc (ideally 2nd or 3rd year) in physics or engineering physics
- The capacity to understand the physics of SNSPD devices
- Undergraduate level courses in optics and experimental physics
- Some experience with electronics is a plus
- Interest in single-photon detection technologies and product development
- Autonomous and capable of working in a dynamic environment, alone or within a team
- Fluency in English is a plus

The position will open in July 2020, but later dates can be considered too.

Should you be interested by this opportunity, please send a full application to rh@idquantique.com with Quantum sensing Internship mentioned in the subject.