Optics engineer Internship

Industrialize laser characterization

IRsweep is looking for you to join our team and get involved into laser engineering, characterization and packaging for IRsweep’s frequency comb spectrometer. We are a young ETH-Zurich Spin-off company based in the Canton of Zurich developing cutting edge optical instruments enabling ultra fast analysis in life sciences and other applications.

As an optical engineering intern at IRsweep, you will join our development team in performing and automating the characterization of frequency comb lasers and packaging and feeding back the results into future iterations of the product.

Your job includes:

- Optical and electrical characterization of quantum cascade lasers
- Improvement of a characterization setup
- Improvement of packaging
- Simulation and redesign support

Your profile

As an ideal candidate for the job, you

- are a student in physics, microengineering, electrical engineering or related subject
- have practical experience working in a lab
- have basic knowledge in Python
- are excited about working for a high-tech start-up
- optionally have experience with optical systems

Your benefits:

We can offer you a first-hand experience in the development of a high-tech product in a young and growing ETH Zurich Spin-off company. As an intern at IRsweep, you can leave real impact on an industrial instrument and bring your own ideas into the project.

We also offer free public transport passes (ZVV) and gym access on site.

Your application:

If you are interested in working with us, please apply with cover letter and CV to pierre.jouy@irsweep.com or call us at +41 78 884 06 00 (Pierre Jouy).

Starting time: December 2020 or later
Workload: Full time