



LIGENTEC is a young and dynamic company located in Lausanne, Switzerland and in France. We are manufacturing Photonic Integrated Circuits (PIC) for customers in high-tech areas such as Quantum Technologies, LiDAR, Space Technologies and Biosensors. LIGENTEC All-Nitride technology enables our customers to develop their products in the industrial revolution 4.0.

We are looking for an:

Design Intern

Your responsibilities:

- Perform numerical simulations of optical waveguides and passive SiN components
- Developing customized building blocks based on Ligentec PDK
- Work closely with layout engineers to implement designs
- Work closely with process engineers to simulate the impact of process on device performance

Your profile:

For this position, we are looking for a person with an interest in gaining experience in the area of data science to join our device testing team. You will work closely with engineers to help them build tools to view and analyse data collected during measurements in the laboratory by the testing team. We are looking for the following profile:

- Currently enrolled in a Master or PhD program in a relevant discipline such as Photonics, Electronics or Physics.
- Good understanding of the fundamentals of optics.
- Familiar with programming languages is a plus
- Familiar with commercial software for photonic component design such as Lumerical and Rsoft is a plus
- Open minded, communicative, critical, and innovative.
- Flexible in working on different tasks and with different teams.
- Ability to work independently and with remote teams.
- Working proficiency in English.
- Work/residence permit for France or EU citizenship.

Benefits:

- A young, dynamic, flexible and fast paced start-up
- Financial support
- Excellent work environment

Activity rate: 100%

Place of work: Ecublens (VD), Switzerland

Start date: February 2022

Period of internship: minimum 6 months

Sending of applications:

We look forward to receive your applications, including your CV and a statement of interest to hr@ligentec.com with 2203-ID in the topic.

