



Photonics IC Layout Engineer

Sicoya is a technology leader in silicon photonics based interconnect solutions with headquarter in Berlin, Germany. We offer monolithically integrated transceiver chips for next generation data centers. The team consists of highly professional design engineers and managers with many years of experience in bringing state of the art products to the market. As a Photonics IC Layout Engineer at Sicoya, you will dive into a unique challenge, as you are involved in the design and the development of the next generation of optical transceivers. The main task is to realize the layout and floor planning of new chip designs in close cooperation with the electronic IC design group. Furthermore, you will work on the components of the photonic development kit including DRC rule definition, LVS routines and PCell programming.

Start: a.s.a.p.

Employment: Full time

Experience: 5+ years of experience

Your tasks:

- Create layouts and floor plans of integrated silicon photonics circuits and devices
- Program active and passive building-blocks for C-band- and O-band applications
- Develop components for photonic development kits, including DRC rules and LVS
- Define design methodologies and design environments

Required profile:

- Master's degree in physics, electro-engineering or equivalent, preferred is a Ph.D
- Experience in PIC design flow from specification to tape-out
- Detailed knowledge of chip-level photonic design principles
- Ability to define, specify, and test photonic building blocks, incl. DRC and LVS routines
- Extensive experience with a variety of PIC design tools
- Programming experience in an object oriented language
- Strong technical and verbal/written communication skills
- Proactive problem solving skills
- Team player that thrives in a dynamic working environment
- A minimum of 5 years experience in relevant positions is a prerequisite
- Professional working proficiency in English is mandatory and knowledge of German would be an asset

What we offer:

- High degree of personal responsibility
- Exciting and varying tasks
- Ambitious team that is working together for more than 10 years
- Flexible working hours, free drinks and fruits
- Fascinating opportunity in an international high tech start-up environment in the middle of Berlin

Are you interested in working with us? Then we may just be waiting to hear from you. Please send us your CV and a motivation letter by email to: jobs@sicoya.com

Sicoya is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to gender, race, color, ethnicity, national origin, religion or belief, sexual orientation, disability or age.