

# Photonic Design Engineer

*Have you always wanted to transform innovative technology into real products?  
Are you ready to join an ambitious startup among the first employees, with all the advantages and opportunities?*

OPTIUS is leveraging optical computing to build the next-gen AI accelerator chip and transform how AI models are executed. By joining OPTIUS, you are joining a growing team of motivated entrepreneurs and researchers passionate about bringing this vision into reality. The Photonic Design Engineer role will involve the design, optimization, and layout of photonic integrated circuits (PICs) and photonic devices.

## Your opportunity and benefits:

- **Solve problems by commercializing cutting edge technology – Major impact!**
- **Mentorship, coaching and support – we are here for you!**
- **Cool Startup environment – Innovate, create, and have fun in an exciting job!**

## What we offer:

- Competitive compensation package
- Opportunity for growth and personal development
- Insurance benefits such as health, dental and vision
- Cool Startup environment

## What your day-to-day will look like:

- Design and optimization of photonic integrated circuits (PICs)
- Layout and verification of photonic devices using commercial photonic design tools
- Conduct electromagnetic simulation of photonic devices
- Interact with photonic foundries to understand design environment and rules
- Collaborate with the team on R&D tasks such as photonic testing, electronic integration.

## Qualifications:

- Work experience with integrated photonics design, optimization, tape-out, and characterization. Industry experience is preferred.
- Minimum of master's degree in electrical engineering, physics, or material science, PhD preferred.
- Proficiency in photonic design and layout using Synopsys OptoDesigner, Mentor L-edit, K-Layout, or equivalent.
- Proficiency in electromagnetic simulation tools (in particular FDTD) for integrated optics, such as Synopsys OptSim, FullWave or equivalent.
- Good understanding of photonic components such as MZI, ring resonators, etc.
- Experience in optical bench experiments and tools such as optical spectrum analyzer, laser sources, and fiber coupling probes is a plus.
- Experience in semiconductor fabrication and processing is a plus.

We are waiting for your application at [info@optius.tech](mailto:info@optius.tech)