

Photonic Design Engineer

Are you looking for the ultimate startup challenge?

Have you always wanted to transform innovative technology into real products?

Are you ready to join OPTIUS among the first employees with all the advantages and opportunities?

Optius is a new startup with the vision to transform the field of efficient AI computations by using optical computing. By joining OPTIUS, you are contributing to 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 – celebrations, endless lattes, healthy snacks**

What we offer:

- Competitive compensation package
- Opportunity for growth and personal development
- Insurance benefits such as health, dental and vision
- Cool Startup environment – celebrations, endless coffee, healthy snacks
- Lunch and Learns

What your day-today will look like:

- Design and optimize photonic integrated circuits (PIC's)
- Layout photonic devices with common EDA
- Conduct numerical electromagnetic simulation of photonic devices
- Interacting with photonic foundries to understand design environment and rules
- Designing optical bench experiments for device characterization
- Collaborating with the team on research and development efforts

Preferred Qualifications:

- A minimum of 3 years of industrial work experience with integrated photonics design, optimization, tape-out, and characterization
- Minimum of a bachelor's in electrical engineering, physics, or material science
- Proficiency in photonic layout with Luceeda, Cadence, Mentor Graphics, or equivalent
- Proficiency in electromagnetic simulation with common tools, such as Lumerical, COMSOL or Photon Design
- Good knowledge of electromagnetic theory
- Proficiency in optical bench experiments with tools such as parameter analyzer, optical spectrum analyzer, laser source, etc.
- Experience in semiconductor processing is a plus

We are waiting for your application at info@optius.tech