Senior Photonics Engineer

The goal of Brightlight is to bring transformative change to photonics technologies via integrated Titanium:Sapphire lasers. An unprecedented on-chip technology requires innovative solutions and new ideas (or revisiting some quite old ideas) to realize its full potential. Join us at the early start-up stage to miniaturize integrated sapphire photonics, Ti:Sapphire lasers, and frequency combs, for a bright future!

BRIGHTLIGHT
photonics

Responsibilities

- Co-lead the photonics engineering process from idea conception to device characterization, including: literature research, device design, simulation, layout, measurement, and performance analysis.
- Take ownership over the measurement process including designing experiments, building setups, and performing analysis.
- Design and simulate on-chip sapphire photonic circuits and supporting production equipment.
- Layout circuits to send to the fabrication team.
- Work closely with the fabrication and product development teams.
- Participate in collaborative R&D projects with academic and industry partners, attend and present at conferences.
- Opportunities to take on new leadership roles as our photonics team grows.

Required Qualifications

- PhD in physics, electrical engineering, or related fields.
- Strong theoretical background in optics and photonics.
- Extensive experience with optics or photonics experiment.

Preferred Qualifications

- Experience in theory/measurement of lasers and frequency combs.
- Extensive experience in photonic circuit design, simulation, measurement.

Location & Employment Type: *501 Massachusetts Ave, Cambridge, MA 02139 | Full-time, in-person*

Compensation & Benefits: *$130,000–$160,000/year, commensurate with experience | Equity | Competitive Benefits*

How to Apply: *www.brightlightphotonics.com*

Brightlight Photonics is an equal opportunity employer. We welcome applicants from all backgrounds and do not discriminate on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation, gender identity, veteran status, or any other legally protected characteristic.