



We are seeking an experienced, Staff Optical System Engineer in our San Francisco, CA office to be a key contributor to engineering activities aimed at revolutionizing the world of LiDAR systems for autonomous vehicles, UAVs, industrial automation and other applications. You will be responsible for defining the design requirement of the emitter module of the company's long range lidar and interfacing with the manufacturing technologies group to translate these into a viable product. We are looking for a hands-on “doer”, who can work on complex projects independently with minimal supervision.

Job Responsibilities:

1. Responsible for defining the design requirement of the emitter module of the company's long range lidar and interfacing with the manufacturing technologies group to translate these into a viable product
2. Propose and design emitter optics for the company's Lidar systems
3. Participate in key meetings as a member of the core engineering team to define and implement specifications for lidar systems
4. Responsible for eye safety analysis and validation
5. Responsible for emitter characterization methodology and implementation across sites, interfacing with the manufacturing technologies group.

Job requirements:

1. 5 years or more industry experience designing emitters for lidar systems
2. Graduate degree in physics or EE
3. Good understanding of vcsel operation
4. Experience in validating eye safety for laser systems

ABOUT US

We are passionate about building the next generation of LiDAR systems for autonomous vehicles, UAVs, industrial automation and many other applications. Our core technology – protected by over 200 patents – enables a simple, high-performance, solid state solution with no moving parts that can uniquely meet the rigorous performance, reliability and cost requirements of the automotive industry. Sense Photonics was founded in 2016 and is based in Research Triangle Park, NC with offices in Edinburgh, UK and in Silicon Valley. We are well financed, backed by several top tier venture capital firms and have already developed strong customer traction for our solution. We are building an innovative world-class company that designs and builds the world's best 3D sensors. Sense Photonics is also an equal opportunity employer – all applicants will be given equal consideration.