

Job Title: Mechanical Engineer

Description

Bridger Photonics, a rapidly growing photonics company specializing in precision laser sensors, seeks a qualified candidate to fill a full-time salaried position.

Responsibilities include, but are not limited to:

- supporting the mechanical design, construction, and testing of complex optical systems related to advanced LADAR, LIDAR, and laser remote sensing.

Specific tasks include, but are not limited to:

- mechanical design of precision optomechanical subassemblies and production units for military and commercial photonics systems. Systems will include LADAR and LIDAR systems, and pulsed and cw lasers and may be handheld, portable or space-based.
- construct, test, troubleshoot and validate the performance of these optomechanical systems and subsystems including the development of acceptance test procedures.
- work with scientists and engineers to develop detailed optomechanical designs.
- work with other team members to perform experiments involving optical components, lasers, and LADAR and LIDAR systems in house and in the field.
- acquire and process data.
- work with vendors to obtain optomechanical and electro-optical components.
- verify quality of purchased components.
- write technical reports and users manuals.
- prepare and give customer presentations.

Knowledge, Skills & Experience

Required qualifications:

- B.S. or higher in Mechanical Engineering or equivalent field,
- more than 2 years of direct hands-on experience designing and constructing complex mechanical assemblies.
- demonstrated expertise in mechanical design including material, vibration and thermal design considerations.
- demonstrated expertise in construction, assembly, troubleshooting, testing, packaging, and tolerancing of complex mechanical systems.
- demonstrated expertise with SolidWorks mechanical design software.
- able and willing to work extremely hard and efficiently in fast-paced laboratory environment.
- able to take initiative and work independently on assigned projects.
- excellent written and communication skills.
- team player that works well with others.

Preferred qualifications:

- experience designing optomechanical assemblies and systems containing lenses and mirrors, lasers, polarization optics, nonlinear crystals, fiber optics and photodetectors.
- experience with LADAR, LIDAR, laser remote sensing, optics, photonics, nonlinear optics, and lasers.
- experience designing components for aerospace or defense platforms especially helicopters, ships or aircraft, and/or experience designing parts for industrial / commercial laser systems.
- expertise with LabVIEW data collection software, Zemax optical design and analysis software, Matlab mathematical modeling software.

Additional Information

- Salary is commensurate with education, experience, and skills, and is expected to range between \$30,000 to \$50,000 per year.
- US citizenship or Permanent Residency required.
- Bridger Photonics, Inc. is an Equal Opportunity Employer and will not discriminate against any employee or applicant for employment because of race, color, religion, disability, sex, familial status, or national origin.
- Applications will be accepted until 5PM MDT, June 11, 2009.

For full consideration, please submit before 5PM MDT June 11, 2009, your resume and contact information for four professional references via email to:

Bridger Photonics, Inc.

Human Resources

hr@bridgerphotonics.com

Phone: (406) 585-2774

Fax: (406) 587-0808