

Job Title: Electrical Engineer

Description

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

Responsibilities include, but are not limited to:

- supporting the development, construction, testing, and commercialization of lasers and complex optical systems related to advanced LADAR, LIDAR, laser remote sensing, and imaging. The job tasks will primarily involve the electrical aspects of these systems, but can also involve the optical and mechanical aspects.

Specific tasks include, but are not limited to:

- designing, laying out, assembling, testing and troubleshooting precision electronic and optoelectronic subassemblies and production units for commercial sales.
- designing, constructing and operating LADAR and LIDAR transmitters, receivers, and the associated electrical infrastructure for advanced demonstrations,
- designing, laying out, assembling, testing and troubleshooting system electronic controllers.
- designing, laying out, testing and troubleshooting optical and electronic subassemblies that require low RF noise operation,
- working with high-average-power cw lasers (> 10 W) and high-energy pulsed lasers (> 10 mJ),
- working with high-voltage circuits (> 500V)
- working with nonlinear optical crystals,
- performing LADAR and LIDAR experiments both in house and in the field,
- working with scientists and engineers to develop detailed electro-optical designs,
- acquiring and processing data,
- working with vendors to obtain electrical and electro-optical components,
- creating test procedures,
- troubleshooting and resolving optical system performance issues,
- writing technical reports and users manuals,
- preparing and giving customer presentations.

Knowledge, Skills & Experience

Required qualifications:

- B.S. or higher in Electrical Engineering or equivalent field.
- demonstrated expertise and proficiency in electrical design, including layout, assembly, testing, and troubleshooting, of complex electrical/electronic systems.
- demonstrated expertise and proficiency with PADS or similar electrical 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:

- more than 2 years of direct hands-on experience designing, and constructing electrical assemblies for commercial sales or applications,
- experience with PADS electrical design/layout software,
- experience designing and laying out mixed signal electrical systems,
- experience designing optoelectronic assemblies and components including photodetectors,

- experience with LADAR, LIDAR, laser remote sensing, optics, photonics, nonlinear optics, and lasers,
- experience with aerospace and/or military systems,
- experience with LabVIEW data collection software and Matlab mathematical modeling software.

Additional Information

- Salary is commensurate with education, experience, and skills, and is expected to range between \$35,000 to \$55,000 per year.
- Attractive benefits package including health, dental, and retirement plans.
- U.S. citizenship 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.

For full consideration, please submit by **Friday, September 30, 2011,**

- cover letter that identifies the job title for which you are applying,
- resume,
- contact information for four professional references,

via **email** to (please put the job title for which you are applying in the subject heading of your email):

Bridger Photonics, Inc.
Human Resources
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