



BEAM Engineering for Advanced Measurements Company
1300 Lee Road, Orlando, Florida 32810
Tel. 407-734-5222, email: info@beamco.com, www.beamco.com

Job Opportunity: Optical Laser Engineer

Company information

BEAM is a photonics company which pioneered the breakthrough technology of planar optics: electrically controlled and switchable thinnest flat lenses, prisms, beam shapers, holograms, that make basis for adaptive ophthalmic lenses, all-electronic LiDARs for autonomous-navigation, ultralight space telescopes, optical communication for satellites and even solar sails.

BEAM Co., founded in 1996 by world renown researchers Dr. Boris Ya. Zeldovich and Dr. Nelson Tabiryan, currently employs scientists and engineers in optics, lasers, and materials with 12 Ph.D.'s among its staff. BEAM Co. possesses advanced development labs furnished with wide variety of lasers, opto-mechanical equipment, advanced characterization and production systems, clean rooms, including a separate chemical synthesis facility. BEAM Co. customers include most innovative Governmental and commercial organizations, many of which are household names.

Required Education & Requirements:

BS degree or higher in Physics, Mathematics or Engineering
Optical Engineering experience
Hands-on experience in laser labs
Must be authorized to work in the U.S. (Required)
Maintains a broad knowledge of Optical and Electrical Engineering
Experienced with MATLAB, Zemax, or equivalent modeling tools
Experience with electrical circuitry or software engineering preferred

Major Responsibilities (training provided):

Design and develop improved subsystems for next generation optical systems
Utilize industry standard modeling codes for optical and/or electronic systems simulation
Design validation protocols to demonstrate user requirements are met
Perform component and system characterization using optical and electronics equipment
Design, assemble, and operate laser setups
Design and optimize optical fabrication processes
Process and document data for customer presentations and reports

Qualifications

Ability to provide quality work with limited supervision, ability and flexibility to work well under pressure; functioning as a member of the team committed to the successful project outcome; maintaining focus and motivation even for repetitive tasks.

Salary

BEAM Co. offers competitive compensation and a generous benefits package.



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Internship Opportunity: Technicians, Research Assistants and Associates

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Responsibilities (training provided)

- Assisting BEAM Co. engineers in their research and development tasks
- Performing component and system characterization using optical and electronics equipment
- Operating laser setups
- Following optical fabrication processes in a cleanroom environment
- Processing and documenting data
- Opto-mechanical system assembly

Qualifications

Ability to provide timely and quality work with limited supervision, ability and flexibility to work well under pressure; functioning as a member of the team committed to the project outcome; maintaining focus and motivation even for repetitive tasks; experience operating test equipment such as oscilloscopes, power meters, spectrometers, etc.

Preferred Credentials & Education

Bachelor's degree in Optics, Physics, or Electrical Engineering
Minimal requirement: High school diploma or equivalent
Laser/Electro-Optical Courses

Salary

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