

Nutronics, Inc. Job Description 04-06-17

Position: Electrical Engineer for Electro-Optical Systems

Experience: Will consider Jr. Engineer up to Sr. Engineer level depending on relevant experience and expertise.

Job Description: Support development of cutting edge laser and electro-optical systems through the design, implementation, debug and verification of electrical sub-systems.

Required Experience / Capability:

1. Commitment to Excellence. Attention to Detail. Pride in Workmanship.
2. Ability to work in a dynamic and at times stressful environment and maintain composure and good working relationships under stress. Requirements change frequently and rapid-turn solutions must be developed frequently.
3. Effectively manage schedule and priorities with minimal daily direction to meet mid to long-term schedule objectives.
4. Experience in Cable Design, Build, and Test.
5. Ability to build impromptu circuits for troubleshooting or preliminary testing of concepts.
6. Experience in PCB Design and Test.
7. Familiarity with LabVIEW and MATLAB.
8. Grounding system design and test
9. Exhibit strong troubleshooting skills and familiarity with implementation of electro-optical systems.

Additional Desired Experience / Capability

1. Familiarity with power electronics and power conditioning
2. Familiarity with conductive electronics cooling techniques
3. Vendor management experience
4. Data acquisition and automation
5. Relays, stepper motors, DC motors, servo motors
6. Personnel safety systems, e.g. lockouts, interlocks, redundancy
7. Ability to develop software in LabVIEW and/or Formal LabVIEW certifications
8. Ability to develop software in MATLAB.
9. Ability to read and debug C/C++/C#.
10. Experience with VHDL or Verilog
11. Experience with FPGAs or microcontrollers and their interface to external devices (PCs, motors, analog circuits)
12. Experience with Fiber Optic cable design for data transmission (MTP connectors and OM3 fiber)
13. Experience with 38999 connectors and MIL-STD Cable Design
14. Experience with CameraLink
15. Experience with electro-optical systems including acquisition, pointing, and tracking.
16. Experience in Adaptive Optical (AO) Systems.

Nutronics, Inc. is an equal opportunity employer. Nutronics, Inc. provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability or genetics. In addition to federal law requirements, Nutronics, Inc. complies with applicable state and local laws governing nondiscrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training. Nutronics, Inc. expressly prohibits any form of workplace harassment based on race, color, religion, gender, sexual orientation, gender identity or expression, national origin, age, genetic information, disability, or veteran status. Improper interference with the ability of Nutronics, Inc.'s employees to perform their job duties may result in discipline up to and including discharge.

Nutronics, Inc. is the nation's leading developer of high performance Adaptive Optical systems with a primary focus on high energy laser (HEL) applications. We solve the most demanding problems in laser propagation through turbulence. Our multi-disciplinary team is hard-working and dedicated to developing HEL, AO and Tracking system solutions that offer robust performance in demanding turbulence conditions. Nutronics, Inc. is a small, privately owned business located in Longmont CO (www.naosystems.com). If you want to be challenged, can bring sound skills to the table, and are you are willing to learn and adapt, then Nutronics, Inc. is for you.

All applicants must possess or be qualified to obtain a U.S. DoD Personnel Security Clearance. Preference will be given to candidates with an existing U.S. DoD Personnel Security Clearance. Further information on requirements to obtain a security clearance is available at: http://www.dss.mil/psmo-i/ps_faqs.html. Please review this information before applying.

Contact Info: jbarchers@naosystems.com, Jeff Barchers, 303-530-2002.