



**POSITION TITLE** Product Development Engineer  
**TYPE** Full-Time  
**LOCATION** Rocky Hill, CT  
**SALARY** TBD Depending on Experience

Lumeda Inc. is a medical device startup applying advanced photonics and proprietary technology to automate and digitize Photo-Dynamic Therapy (PDT) light delivery to enable a breakthrough intraoperative procedure as an adjuvant therapy in NSCLC surgery. We are a multidisciplinary team of highly experienced individuals committed to pioneering the advancement and efficacy of PDT for improved patient outcomes in treating thoracic malignancies.

Lumeda Inc. is currently seeking a talented electrical engineer with optical/electronic instrumentation experience. In this position, you will be responsible for instrument system development and provide hands-on expertise with hardware design, development, verification, validation, and product testing. This will include contributing to novel development of design concepts to meet system requirements according to specifications. The right candidate for this position will be an experienced engineer with demonstrated success conceptualizing and defining requirements to drive the development of novel instrumentation.

**Requirements/Qualifications:**

- PhD or MS EE preferred; BS degree required
- Minimum 3-5 years relevant experience, or advanced degree with minimum of 2 years relevant experience

**Experience or familiarity with the following;**

- Knowledge of optical components including fiber optics, laser diodes, detectors
  - Writing software or firmware in one of the following: C, C++, Java, or Python
  - I<sup>2</sup>C, RS-232 and USB interfacing knowledge
  - Familiar with Linux systems, single board computer architecture and displays
  - Signal processing and data analysis (such as MATLAB or Python)
  - System-level design, system architecture
  - Prototyping system experience
  - Basic knowledge of circuit design including signal processing, a/d, d/a.
  - Proficiency with electrical test equipment; oscilloscopes, logic analyzers, etc.
  - Ability to write product, design, and performance specifications
  - IEC 60601 Standard
  - ISO 13485 Standard
  - Strong written and oral communication
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- Work authorization for United States required