



 **LITEGEAR™**  
**EMPLOYMENT OPPORTUNITY**  
**SENIOR ELECTRICAL ENGINEER**

At LiteGear we design and build specialized LED lighting fixtures and controls for use in the Cinema and Television industries. LiteGear was the pioneer behind the popularization of flexible LED lighting for use in Cinema and Television lighting applications. Our primary product, LED LiteRibbon™, has transformed sets across the nation.

**Representative Essential Duties and Responsibilities:**

- Develop schematic designs (mixed signal digital/analog) to capture for PCB layout & generate Gerber files & BOMs necessary for PCB manufacturing & assembly
- Develop testing processes for new lighting controls or light emitting products
- Build, maintain, troubleshoot, and/or repair electrical instruments or testing equipment
- Design and configure hardware components (processor, controller, memory, timer, serial communication port, output/output circuits, system application specific circuits, power supply, keypad/keyboard, real-time clock, etc.) of embedded systems
- Design, develop, debug, and unit test the software in embedded systems, ranging from device drivers and real-time systems, to application programming interfaces and touch-screen interfaces
- Troubleshoot malfunctioning embedded systems using documentation, flowcharts, and diagrams
- Will hold a leading role in obtaining regulatory approvals for the North American and European markets for all new products, including on-site pretesting and validation of components and systems
- Work to protect intellectual property and ensure compliance with governmental regulations
- Occasional field operations and maintenance of electronic installations; travel may be required

**Qualifications & Skills:**

- B.S. Degree in Electrical Engineering from a recognized institution. Master's degree preferred
- 6 years or more of experience in a manufacturing and microprocessor programming environment
- Experience in the lighting industry desired but not required
- Highly experienced in regulatory approvals & testing process for North American/European markets
- Proficiency with Altium Designer, Proteus Design or other PCB design software (Altium Designer preferred) and working knowledge of LT Spice, or LabView or other simulation software
- Strong knowledge of Analogue and Digital Design including microprocessors and microcontrollers, programmable logic, embedded firmware/software, PCB design and design for EMC, Schematic capture, and simulation; knowledge of DFT & DMF methodologies; and interface experience using USB, WiFi, Bluetooth, Ethernet, RS-232/485; experience with Agile methodologies;; proficiency programming in C and/or C# languages; excellent knowledge of EMF mitigation for electronics enclosures
- Excellent technical report writing experience

**POSITION INQUIRIES:** Interested candidates are encouraged to send a resume and cover letter to Alex Vazquez [alex@litegear.com](mailto:alex@litegear.com) for further review and consideration. Thank you, in advance, for considering this great opportunity to join our team and for sending this flier to any qualified candidates you might know.