

Position Type: Design Engineer

Location: Ottawa, Ontario, Canada

Term: Permanent employment with a 3 month probation period

About Arkalumen

Arkalumen designs and manufactures intelligent LED controllers and custom LED modules for light fixture manufacturers in order to enable energy efficient and feature rich lighting solutions. For over 10 years, Arkalumen has focused on Simple, Flexible, Cost Effective solutions that enable highly differentiated fixtures to be launched in commercial, industrial and residential markets. With 30+ patents, Arkalumen has a history of driving innovation within the lighting industry and is proud to push the limits of what lighting can be in specific applications such as education, healthcare, film and horticulture. The vision of Arkalumen is to provide high quality illumination for people where they live, work and play, while improving energy utilization and environmental sustainability of lighting.

Duties and Responsibilities

- Designing LED controller hardware and developing firmware code
- Designing printed circuit boards, including LED light engines, for lighting solutions using Eagle CAD
- Scoping electrical specifications for components within LED light engines including analyzing efficacy, color consistency and costs of LED options for customers
- Communicating with customers on technical matters including electrical specifications and product quotes
- Drafting technical documents for product specifications, white papers, patent applications
- Assisting with vendor relationship management and inventory management
- Testing hardware and software elements for proper operation, thermal analysis, and energy efficiency
- Completing administrative tasks as may be required to support the team members of the Corporation
- Other duties as determined from time to time

Skills and Qualifications

Candidates must:

- Have graduated with a Bachelor of Electrical Engineering, or equivalent degree
- Demonstrate strong technical knowledge and problem solving skills
- Demonstrate ability to take initiative and resolve issues with minimum supervision

- Have strong attention to detail while managing multiple priorities in a fast paced environment
- Demonstrate good interpersonal, communication, team and organizational skills
- Have working knowledge of Microsoft Office software including Word and Excel

Additional qualifications (considered to be an asset) include:

- Past experience or knowledge of PCB design using EagleCad or equivalent
- Past experience or knowledge of Microchip micro-controller programming, or equivalent, in assembly or C
- Past experience working with or designing LED lighting solutions
- Past experience or knowledge of Solidworks or equivalent

Eligibility Requirements

Candidates are asked to submit a cover letter and resume, by email, to careers@arkalumen.com.