

Position Type: Electronics Technician Student

Location: Ottawa, Ontario, Canada

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

- Organizing and analyzing materials
- Assisting with testing hardware and software elements for proper operation, thermal analysis, and energy efficiency
- Assisting with testing LED lighting circuit boards for thermal properties and heatsink thermal distribution patterns
- Assisting with testing LED lighting PCBs as well as finished fixtures with optics for light transmission properties using integrated sphere equipment
- Assist with testing various DC power supplies designed to work with LED lighting
- Soldering printed circuit board prototypes and connecting them into finished assemblies for testing
- Logging and preparing test results for review by Technical staff
- Performing clerical and general cleaning duties for the lab
- Completing administrative tasks as may be required to support the team members of the Corporation
- Shipping, receiving, and inventory management, and any other duties as determined from time to time

Skills and Qualifications

Candidate must:

- Be enrolled in a 2+ year technical program at the time of application

- Have obtained, over the previous years of study, a cumulative average of at least a B (Official Transcripts will be requested)
- Demonstrate strong technical knowledge and problem solving skills
- Be willing to take on tasks as requirements arise
- 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
- Ability to lift and move objects up to 25lbs

Additional qualifications (considered to be an asset) include:

- Past experience working with or designing LED lighting solutions
- Previous lab experience
- Previous experience or knowledge of light engine components and functionality

Eligibility Requirements

Arkalumen participates in the Technation Canada Career Ready Program. As such, students are expected to meet the eligibility requirements, and must be willing to complete an application form by the required deadline. For more information, please visit: <https://technationcanada.ca/en/future-workforce-development/career-ready-program/student-information-resources/>