

Electronics & Board Design Engineer

A day in the life of an Electronic & Board Design Engineer involves constant innovation and advanced electrical design. At GVA Lighting our products are always on the cusp of innovation when it comes to our electrical designs and you will be working with some of the best electrical engineers to create and introduce new products.

GVA Lighting creates outstanding lighting systems and signature lighting projects worldwide in cooperation with the best lighting designers and architects in the world. Our engineering, design and manufacturing takes place right here in the Greater Toronto Area and you can be a part of it! Check out some of the amazing [lighting projects](#) we completed recently.

Our Electronics Engineers are key to GVA success in designing and delivering first-in-class solutions.

Responsibilities

- Assist the Head of Engineering in NPD (New Product Development), Engineering Support, Product Quality Assurance as required; report on all design activities and project progress. Coordinate with members of the engineering team, other internal and external stakeholders;
- Develop reports and code analysis. The calculations will include short circuit, lighting, grounding and other calculations related to the design and analysis of electrical systems for commercial buildings and structures.
- Understand client-specific technologies and product requirements;
- Create schematics, circuit boards, and develop low-level firmware;
- Conduct EMC, EMI tests of GVA' lighting products;
- Develop design concepts using Altium Designer;
- Firmware development in C, C++ and PIC microcontroller;
- Work under the GVA Lighting Quality Management System and related design and development procedures and standards;
- Work with industry standards and certifications bodies such as UL, IEC (International Electrotechnical Commission), CE and any other standards as per the industry requirements;
- Develop and document products appropriately and ensure transfer from Design to manufacturing submission for regulatory approvals; Create production files, maintain BOM and PL revisions.
- Produce electrical designs with minimal engineering input; including sketches, notes and vendor drawings;
- Execute and deliver full NPI process, including prototyping, QTP testing, Verification and design validation processes. Assist in manufacturability issues.
- Provide technical assistance to Production when needed; Assist in developing production processes
- Report on project progress as requested; Follow and maintain to project timelines
- Contribute to GVA Lighting's continuous improvement processes;
- Any other related duties, as required.

You qualify for this role if you have

- Degree in Electrical & Electronics Engineering
- 5+ years of progressive experience in electronic design
- 5+ years of progressive experience in electronic board design
- Lighting design experience (will be a bonus)
- Proficiency with Altium, OrCad, Pspice, and similar tools
- Experience with SMPS - Switched-mode power supply (will be an asset)
- Proficiency in design and lighting calculation software (will be a bonus)

During the selection process you might undergo psychometric tests, as well as practical exercises to help us identify those who have the right attitude, skills, know-how and to find a cultural fit with our company's values.

Why GVA?

- We offer learning opportunities enabling professional growth
- You will receive a competitive salary based on skills and experience
- You will have room to grow your career
- You may take pride in having participated in landmark projects at home and around the world
- When you work with us you can qualify for professional development, employer sponsored health benefits and retirement savings plan

We are an exceptional and talented team who believe in the GVA vision and share GVA values. Our passion and enthusiasm are contagious, and they have helped us attract great talent, partners, and clients. If you want to be part of a young, dynamic and growing organization then you are the candidate we are looking.

Send your resume and LinkedIn profile link to hr@gvalighting.com.

GVA Lighting is proud to be an equal opportunity employer committed to the attraction, selection, advancement and fair treatment of all individuals. In accordance with the Human Rights Code and Accessibility for Ontarians with Disabilities Act a request for accommodation will be accepted as part of the GVA Lighting hiring process.

We thank all the candidates for their interest in GVA lighting, however only selected candidates will be contacted.