

Electronics Designer

A day in the life of an **Electronics Designer** involves constant innovation and advanced electronics design. At GVA Lighting our products are always on the cusp of innovation when it comes to our electronic designs and you will be working with some of the best electronic 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 Designers are key to GVA success in designing and delivering first-in-class solutions.

Responsibilities

- Create schematics and circuit boards;
- Develop schematics and PCBs (with Altium Designer or similar);
- Develop firmware in C, C++ and PIC microcontroller;
- Design and develop software for PC (i.e. test software using C++ or C#);
- Develop reports and code analysis, as well as all calculations related to the design and analysis of electrical systems for commercial buildings and structures (e.g. Matlab, MathCad, PSpice);
- Execute and deliver full New Product Introduction (NPI) process, including prototyping, verification validation processes;
- Oversee EMC and EMI tests of GVA' lighting products; 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;
- Understand client-specific technologies and product requirements;
- Provide technical assistance to Production when needed and assist in manufacturability issues;
- Report on project progress and follow and maintain project timelines.

Qualifications

- Degree in Electronics Engineering
- 7+ years of progressive experience in electronic design and electronic board design
- 3+ years of experience in software and firmware development
- Proficiency with Altium, OrCad, Pspice, Matlab, MathCad, and similar tools
- Knowledge and experience with C, C++, C#
- Experience writing software and firmware

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 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

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.

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