

Electronics Designer (Engineer)

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 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.

Responsibilities:

- Create schematics for analog and power related parts of GVA products with Altium Designer 365;
- Create schematics for LED lighting PCBA, design, test, validate and release LED modules;
- Be an electronic lead engineer for a GVA product line;
- 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);
- Simulate and analyse circuits by using appropriate software (LTSpice and similar);
- Test developed designs for safety, performance targets and EMC compliance;
- Execute and deliver a full New Product Introduction (NPI) process, including prototyping and design validation;
- Develop the EMC lab at GVA and conduct EMC and EMI tests of GVA Lighting' products;
- Work with 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 any other standards as per the industry requirements;
- Develop and document products appropriately and ensure knowledge transfer from design to manufacturing, testing and RMA teams: arrange design review and training meetings, create design manuals, production files, maintain BOM and design revisions;
- Collaborate with mechanical design engineering team in developing the complete lighting fixtures and power-data equipment;
- 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 or extensive experience in the field;
- 5+ years of progressive experience in electronic design and electronic board design;
- 3+ years of experience in software and firmware development;
- Proficiency with Altium 365, OrCad, Pspice, Matlab, MathCad, and similar tools;

Different.

We think independently, never copy.



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Gvalighting.com
Canada



- Knowledge and experience with C, C++, C#;
- Experience writing software and firmware;
- You are passionate about electronics and have a positive attitude; you are adaptive working in multidisciplinary environment skill for delivering success as a team.

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 valuable 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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