



J-Squared Technologies Inc.
101-4015 Carling Ave
Kanata, ON K2K 2A3
Tel: 613-592-9540
www.jsquared.com

Junior Electrical Engineer

Dartmouth, Nova Scotia

About J-Squared Technologies Inc.

J-Squared has over 30 years of experience excelling in operationally demanding performance environments. Our ruggedized products and solutions are innovative, needs driven, and focused on quality and reliability. Our Octagon Systems line of products is a global leader in rugged computer systems built for use in extreme environments such as mining, military, transportation, and marine. We architect and manufacture systems that work no matter what.

J-Squared's significant growth has resulted in the company expanding its teams across North America to meet this increased demand.

Role and Responsibilities

J-Squared is looking to hire a **Junior Electrical Engineer** to join our growing engineering team on a full-time basis. Based out of Dartmouth, Nova Scotia and reporting to the Electrical Engineering Manager, you will be responsible for various system and electronics designs.

Day to day responsibilities would include the following:

- Designing electrical schematics based on product requirements.
- Selecting components based on part parameters and life cycle.
- Research new technologies/standards to be used in future products.
- Conduct design reviews.
- Drive/perform PCB design with mechanical, signal integrity, and EMI considerations.
- Conduct design validation and qualification.
- Work with a cross-functional engineering team: including mechanical, thermal, and software engineers.

Required Skills and Experiences

- Graduate of an Electrical Engineering Bachelor's degree program or equivalent.
- 1+ years of experience designing and troubleshooting in the electronics industry. This can include co-op work terms.
- Highly motivated and energetic with a driving desire to learn and deliver within committed timelines.
- Team player with good oral and written communication skills.
- Proficient with basic office computer skills (Microsoft Word, Excel, Outlook; Google Suite).



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- The successful candidate must satisfy all requirements to be able to work on Canadian Controlled Goods projects.

Preferred Technical and Professional Expertise

- Familiarity with the Altium design suite.
- Experience with performing high-speed and high-density PCB layouts.
- Familiarity with common electrical standards including PCIe, ethernet, and USB.
- Experience with programming languages including C, Python, and Labview.
- FPGA design and programming.
- Familiarity with test equipment including oscilloscopes, multimeters, and spectrum analyzers.
- Experience using Agile PLM.

To Apply

Please submit a cover letter and CV via email at: HR@jsquared.com. We would like to thank all applicants for their interest, however, only candidates under consideration will be contacted.

J-Squared respects the dignity and independence of people with disabilities and provides accommodation and support to persons with disabilities throughout any recruitment process, once made aware of a need for accommodation. If you require any special accommodation or support during the recruitment process, please indicate so in your application.