



Job Description –Electronics Engineer (Analog) (70932)

August 2019

About G2V Optics

G2V is a fast-growing Edmonton-based technology & digital horticulture company. We have unique, world-leading technology with strong revenue growth in the past 12 months. Our mission is to develop and commercialize fully autonomous systems that enable food production for a growing population while significantly reducing fresh water and land use through automated, integrated, intelligent growing technology.

We are an agile team that functions on a startup-style culture based on quick learning, honesty, personal development, and flexibility.

Summary

The Electronics Engineer (Analog) reports directly to the Chief Technology Officer and is responsible for taking the lead in the design, testing, and implementation of a wide range of analog circuitry as required for our rapidly-growing scientific and horticultural product lines. Design work may also include interfacing with embedded hardware/processors, and generally requires optimization for power, heat, efficiency, and manufacturability. Implementation typically includes multilayer PCB design, debugging, and (when prototyping) the possibility of physical assembly/soldering.

The ideal candidate will have a proven track record of at least five years of relevant complex analog circuitry design and implementation experience, in an environment focused on high-quality high-reliability cost-effective manufacturing.

Our new team member will have an opportunity to be a ground-level employee of a growing company. Compensation will be based on relevant experience and committed team members will also have the opportunity to participate in a stock option program.

This position will start as a one-year contract, with strong possibility for renewal. The successful candidate will be required to work full-time hours on site at our Edmonton office.

Primary Responsibilities

- Design and validation of complex novel electronics for lighting, instrumentation, and monitoring systems
- Analog circuit design, rapid iterative prototyping, and validation
- PCB layout and performance & cost-based circuit optimization
- Design-for-manufacture and lifetime

Target Skills & Qualifications

The successful candidate will have:

- Phenomenal analog electronics and PCB design skills
- Expert proficiency in Eagle, Altium, or other commercial PCB layout software
- Hands-on prototyping & test equipment expertise
- Digital and embedded processor electronics experience considered a strong asset
- Project & Product management considered a strong asset
- Understanding of large-scale electronics manufacturing supply-chains and design trade-offs is an asset



G2V Optics Inc.
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Interest and awareness around sustainability and food production is a crucial part of our culture.

To Apply:

Please send a covering letter and current resume as a single document to jobs@g2voptics.com, with a subject line referencing the job title "Electronics Engineer (Analog)".

G2V Optics Inc. thanks all candidates for their interest and regrets that due to application volumes only those individuals selected for interview will be contacted.