



## *Job Description*

### **Hardware Wizard (Embedded Systems Engineer)**

#### *About G2V Optics*

G2V's founding mission is to develop and commercialize technology that will enable food production for a growing population while significantly reducing fresh water and land use. We do this by improving yield, quality, and operating costs for commercial growers through automated, integrated, intelligent growing technology. We are obsessed with using new technology to make a difference and continue to develop some of the most dynamic and innovative new products for the fast-growing indoor and vertical horticulture market.

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

#### *Summary*

The *Embedded Systems Engineer* reports to the *Technical Lead* and is responsible for the manufacturability of G2V technology, design of electronic systems, programming and working with a team of electronics technologists to help bring G2V's quality products to life. The position will at times require highly iterative hacking-style prototype development and at other times highly methodical production-ready design.

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. Committed team members will also have the opportunity to participate in a stock option program.

#### *Primary Responsibilities*

- Design and implement electronic circuits, printed circuit boards, and specify components
- Write effective code to integrate hardware circuits with control interfaces
- Aid product development team with design and fabrication for prototypes when required
- Develop and supervise fabrication and quality assurance processes
- Properly document design and fabrication parameters according to G2V's quality management standards
- Be a leader for continuous improvement and process development within your relevant area

#### *Target Skills & Qualifications*

The successful candidate should be prepared for an ever-changing set of challenges, and willing to quickly adjust priorities and tasks to make forward progress in addition to:

- Bachelor's degree in Electrical or Computer Engineering from a four (4) year program at an accredited post-secondary institution. **Advanced degrees considered an asset.**
- Expert proficiency in a combination of python, C, microprocessors, PCB design, hands-on assembly, and a thirst for continual systemization & process automation
- Strong written and verbal communication skills
- Demonstrated history of optimizing software, hardware and products from a holistic perspective
- Experience with user interfaces, horticulture, or LED lighting products is considered an asset
- Interest and awareness around sustainability

#### *Contact*

Please send resumes to [info@g2voptics.com](mailto:info@g2voptics.com) with reference to the job title.