

Job Description

Electronic Systems Technologist (Horticultural Lighting)

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 by providing efficient 'engineered sunlight'. Our advanced technology provides researchers, greenhouses, and vertical farms with multi-zone lighting and plant monitoring, allowing a grower to keep tabs on their entire crop. 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 horticulture market.

We are a small team and are proud of the culture we're building based on honesty and personal development. We value flexibility with our hours, which enables us to balance hard work and time with our families.

Summary

The *Electronic Systems Technologist* reports to the *Technical Lead* and is responsible for hands on fabrication of electronic systems, delegated design, and programming to help bring G2V's quality products to life.

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

- Fabricate and assemble optical and electronic products according to company specification, including soldering, assembling, and testing
- Design 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
- 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:

- 3+ years' experience in electronics fabrication, printed circuit board design & assembly
- 3+ years' experience programming for embedded systems (microprocessors, Arduino, or Raspberry Pi) with experience implementing I2C or SPI peripherals
- Technologist diploma (or equivalent) from a recognized technology institute or college
- CET designation achieved or in progress is considered an asset
- Strong written and verbal communication skills
- 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 with reference to the job title.