LANTERN

Job posting: Electronic Engineer 1

Overview

Come work for a new AI and Medical Device technology startup in Northern Virginia, an innovation hub that is home to the biggest technology giants in the world. Lantern was founded in 2017 and is deploying machine vision and artificial intelligence solutions at the device level to bring disruptive products to market. We're working on things you've never seen before. We need pioneers, thought leaders, and problem solvers who attack challenges with creativity and artfulness. We are focused on a mission to build products that are not just impactful, but that save lives with cutting-edge technology.

Lantern is new and small, but we're growing fast. We offer a full benefits package, competitive salary, and flexible work schedule in a dynamic engineering environment.

Tasks:

- Design and test of electronic circuit boards for control of safety-critical systems, such as medical devices, power tools, and VR-Training equipment for first responders and hazardous environment workers.
- Electrical circuit design using Altium or Eagle, parts selection, prototyping, and overseeing manufacturing via contract manufacturers.
- Embedded firmware programming using C, C++
- FPGA programming for computer vision applications
- Data analysis using Matlab, LabView, and Python
- Interfacing with Mechanical Engineers for proper integration into consumer-ready enclosures
- Write code to interface with commercial 3D sensors and depth cameras such as Intel RealSense
- Design, build, and test new sensor prototypes including cameras running deep neural networks for machine vision

Skills:

- Motivated maker with demonstrated performance building prototypes outside of school or work
- PCB design, build, and test experience in the lab (required) and in production (desired)
- Demonstrated experience in programming at the embedded level
- Experience troubleshooting circuit boards to the component level using standard lab equipment, such as oscilloscopes, meters, soldering irons, etc.
- Experience working with autonomous robots, remote sensing systems, or other perceptual systems is desired

Required:

- Bachelor of Science from an accredited institution in Electrical Engineering, Computer Engineering, Computer Science, or related field
- Equivalent experience and demonstrated competency will be considered in lieu of diploma

To apply, email resume to info@lantern.systems