

Position Electrical Engineer / Senior Electrical Engineer

Location Sunnyvale, CA

About Blue River

Blue River Technology serves the agricultural industry with revolutionary computer-vision based robotics designed to unlock greater crop yield potential. We are building a future where farmers use our smart machines to individually care for each plant in their fields. Our technology dramatically reduces the amount of chemicals used in agriculture, drives significant labor efficiencies, and captures valuable plant-by-plant data.

Our team of almost 50 people comes from diverse backgrounds in robotics, computer vision, agriculture, and business. We have designed and commercially deployed smart machines that provide per-acre lettuce-thinning services in Salinas, CA and Yuma, AZ, and are currently working on expanding these operations to weeding in a wider range of crops and geographies.

We are well funded by prestigious venture capital firms, including Khosla Ventures, Pontifax AgTech, and Data Collective, as well as the established agricultural companies Syngenta and Monsanto.

Position description:

We are looking for a highly skilled and energetic Electrical Engineer to play a key leading role in improving our revolutionary robotic and vision-based systems for agriculture. You will be joining a world-class research and engineering team to provide critical skills in improving existing systems and pushing the boundaries of this technology. We provide a high degree of autonomy - you will have the opportunity to influence the development and implementation of our world changing products. The role will include work in the following areas:

- Design and test printed circuit boards using cutting edge components including CPUs, embedded GPUs, high efficiency regulators, sensors, and high current drivers, high speed communications, and other state of the art components.
- Work with our mechanical and software teams to architect and select system components such as cameras, height sensors and solenoid actuators as well as the electrical power system for our machines.
- Create and execute test plans to ensure high reliability.

Qualifications:

- M.S. degree in Electrical Engineering.
- 5-7 years of experience designing, fabricating and testing complicated digital and analog PCBAs.
- Experience working in complicated hardware systems that include advanced sensors, actuators and processors.
- Passion to solve difficult problems.
- Excellent communication skills

Additionally the following are a plus:

- Experience working in robotic systems.
- Experience designing systems used in vehicles or heavy machinery.
- Experience designing systems that use GPUs.
- Broad engineering knowledge including great mechanical intuition, thermal management and programming knowledge.

Please send your resume to careers@bluerivert.com with “Electrical Engineering” in the subject line and a brief explanation in the message of why your interests and background match this position. Blue River offers competitive compensation including equity options, healthcare and retirement benefits, and commuter benefits such as CalTrain passes, mobile Wi-Fi hotspots, and flexible work hours.