



SMART PEST SYSTEMS

## Electronics Engineer (Hardware Design Engineer)

### Summary

Spotta is a Cambridge (UK) based Ag-tech startup commercialising its patented technology in the precision agriculture space.

We help farmers and foresters to save their farms and forests from insect damage thereby increasing productivity while reducing pesticide use and saving money.

With our automated monitoring service, our customers are able to focus on the core value adding activities they specialise in - growing crops and nurturing forests.

### The Role

Design electronics to meet challenging specifications for novel IoT insect monitors. Build new products and help build improved versions of existing products, alongside a multidisciplinary team consisting firmware, mechanical, software and manufacturing engineers and scientists, to sell to customers around the world.

### Key Responsibilities

- Circuit design, PCB layout, prototyping and bench testing
  - Establish DRC processes
  - Conduct PCB reviews
  - PCB debug
- Organise the manufacture of prototype electronics
- Support production PCB manufacture
- Manage EMC and safety approvals processes

### Experience/Skills

- Bachelor's or Master's degree in Computer Science, Electrical Engineering, or a related field with a 2:1 or above
- >= 3 years of experience in electronics development
- Have designed PCBs
- Have debugging skills using equipment such as oscilloscopes, multimeters and potentially signal generators & spectrum analyzers
- Basic embedded firmware skills (C, C++)



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### **Desirable but not essential skills**

- Experience with Altium for schematic capture and PCB layout
- Design for low (battery) power operation
- RF design and testing
- Environmental protection/weather proofing
- Experience with compliance testing electronics products

### **Person Requirements**

Excellent self motivation and time management skills - a proven ability to figure things out and get things done, without constant supervision.

Team player. Experience of working in small teams, the ability and desire to identify colleagues' rapidly changing needs and address them.

Attention to detail and a desire to follow and improve rigorous processes, to create high reliability products.

### **Location**

The nature of the work is a mixture of CAD and hands-on prototyping which means that the candidate would ideally work 5 days a week at our Cambridge (UK) office, but we can offer some flexibility to work from home.

### **Notes for applicants**

We offer an innovative, fast-paced environment and our work is impactful. We have a diverse and inclusive team and are committed to promoting an inclusive workplace where employees feel valued and supported. We welcome all applications.

To apply, send your CV and a brief covering email outlining why you would to [careers@spotta.co](mailto:careers@spotta.co)