



Sensor Edge, Inc. is seeking a dedicated, experienced, and versatile Engineer with advanced knowledge of electrical, mechanical, and industrial engineers. This Engineer will be responsible for the research and design, assembly efficiency, production, quality, and support of pressure mapping devices.

Job Requirements

- Production
 - Ensure a safe and clean environment at all times,
 - Inspect materials for quality and defects,
 - Prepare materials for production (e.g. cutting materials, sanding, soldering),
 - Assemble products according to strict assembly guidelines,
 - Designing test equipment for testing product performance and behavior
 - Test assembled products and troubleshooting issues,
 - Receive and repair returned devices,
 - Increase efficiency of production with new techniques or processes,
 - Research new materials and technologies to incorporate or replace parts of existing products,
 - Design new generation products, including casing, circuits and packaging,
 - Research and analyze the behaviors of resistive based sensors,
 - Consult with in-house designers for guidance on look-and-feel of products,
 - Inform management of materials and product inventory levels,
 - Submit Requests for Purchase for needed materials, tools, and other supplies,
 - Keep extensive documentation of device serial numbers, issues, and processes, and
 - Develop Standard Operating Procedures for all levels of production and support.
- Software
 - Extensive work in Excel using large files and formulas,
 - Work with device firmware, including advising, writing, and editing firmware changes,
 - Build next-generation web applications with both client and server side,
 - Write, test, and execute code for Arduino,
 - Communicating and working with other software engineers to solve problems, and improve device communication or software function.

Qualifications

- Bachelors of Science in Electrical Engineering
- 2+ years working in an engineering capacity in a production and research environment, software development, and hardware development
- Coding skills in C/C++, C#, HTML, CSS, JavaScript, php, UNIX/Linux Shell scripting



- Strong understanding of networking, Web, client/server protocols such as TCP/IP, UDP, DHCP, HTTP and XML
- Experience programming embedded systems involving protocols like such as Serial/UART, I2C, ADC and PWM
- Experience with pcb design including analog to digital circuits
- Experience with AutoCAD/Inventor and 3D modeling
- Experience with 3D printing, CNC machining and robotic/automation systems including designing and programming x, y, z axis motion systems.
- Through hole and SMD Soldering
- Tools: Sewing machine, drill, saw, router, and Dremel

Work Environment

- Schedule
 - Monday -Friday, 9am to 6pm with 1 hour lunch.
 - During busy periods, hours may be extended to complete time sensitive projects
- Benefits
 - 6 paid holidays
 - 2 weeks paid vacation
 - Healthcare and dental

Please submit a cover letter and resume to info@sensoredge.com.