

PCB Hardware Engineer

JOB DESCRIPTION: Spun out of Purdue University's top-ranked Lyles School of Civil Engineering, [Wavelogix Inc.](#) has developed an IoT sensing & data analytics platform for infrastructure monitoring & management. We are committed to digitizing the construction industry to improve access to accurate data and to simplify the workflows of construction contractors and engineers. We are seeking to hire an embedded hardware engineer who will be responsible for creatively designing, prototyping and testing quality hardware and firmware of embedded applications for data acquisition & processing as well as implementing protocols for wireless transmission. **Applicant MUST have PCB design and prototyping experience.**

JOB RESPONSIBILITIES:

- Building commercial quality embedded systems including both hardware and firmware
- Analyzing & enhancing efficiency, stability & scalability of embedded systems
- Development & incorporation of new features in embedded systems based on customer inputs
- Collaborate with other engineers & colleagues (electrical, computer, civil, materials science, construction, etc.) to build a complete, scalable & user-friendly system
- Engaging in product development from inception to manufacturing & troubleshooting
- Ability to think creatively to offer innovative solutions for our business needs
- Field testing of systems, including limited travel to construction sites

JOB REQUIREMENTS:

- Bachelor's or Master's degree in Electrical/Computer Engineering or equivalent industry experience
- Experience with PCB design, prototyping, testing & troubleshooting required
- Experience with ECAD software such as Altium Designer, EAGLE, OrCAD, or equivalent required
- Familiarity with integrated circuit datasheets and applying features of microcontrollers & microprocessors to solve specific problems required
- Experience with Embedded C or C++ preferred
- Experience with software such as MATLAB, Python, or equivalents preferred
- Familiarity with wireless communication protocols & ability to implement in embedded systems
- Good communication & interpersonal skills required
- Critical thinking & problem-solving skills required
- Good time-management skills & ability to multi-task required
- Ability to think and work independently required
- Good time-management skills & ability to multi-task required
- Ability to travel & work independently required

Interested candidate is requested to contact the CEO of [Wavelogix Inc.](#) at jennifer@wavelogix.tech to express interest long with the resume.