



Company Description

Cypress In-Line Inspection, LLC (“Cypress”) is a rapidly growing provider of ultra-high resolution pipeline inspection tools for traditional gas and oil lines and large diameter tool for mortar-lined pipelines. We are hiring electrical engineer to join the team in advancing and this very successful pipeline inspection technology.

Position Summary:

This Electrical Engineer will be responsible the development of PCBs and collaboration with mechanical designers to integrate PCBs into the mechanical systems as well as collaboration with other electrical, firmware, and software development engineers in technical reviews. Technical work includes the capture of technical requirements, schematics development, and PCB layout design. This role requires good communication with other teams within the organization as a key contributor to the development of new electromechanical systems.

Responsibilities:

- Schematic capture and PCB layout for low power analog and digital designs in Altium Designer
- Create and maintain technical documentation for PCB layout and design
- Troubleshoot and resolve any PCB design and layout issues
- Work closely with mechanical designers, and firmware engineers to achieve project requirements.
- Apply best practices and development processes to ensure successful new product developments as measured by timeliness, quality, product cost, and investment.

Required Qualifications:

- 5+ years of experience in analog, digital and mixed signal hardware design and implementation
- Detailed knowledge of electronics hardware and the ability to integrate designs with mechanical elements, embedded firmware, and sensors.
- Experience in schematic entry and PCB layout design using Altium with excellent understanding of PCB layout design requirements.
- Experience with battery operated system designs and low power strategies.
- Experience with integration of embedded system and user interface.
- Strong analytical and problem-solving skills. Ability to solve problems as part of a multi-site organization and cross functional team is expected.
- Effective written and verbal communication in English.

Preferred Qualification:

- 5+ years of embedded micro-controller design experience including communication interfaces such as Ethernet, SPI, UART, USB, etc.
- Experienced with simulation packages such as LTspice®, TINA-TI, etc.

Cypress is an equal opportunity employer committed to diversity and inclusion. All qualified applicants will receive consideration for employment without regard to race, color, sex, pregnancy, sexual orientation, age, religion, creed, national origin, gender identity, disability, military/veteran status, genetic information or any other categories protected by applicable law.