

**Position:** Electrical Test Engineer (Cincinnati, OH)

**Description:** The Electrical Test Engineer evaluates electronic hardware and software to verify customer and design requirements are being satisfied. This team member will be part of the engineering department providing technical expertise to numerous development and manufacturing programs.

**Company Description:** Performance Electronics, Ltd (PE) is an engineering company specializing in the design and manufacture of embedded electronic control systems for various industries. PE has extensive experience in all aspects of control system design, integration, testing, production, and life-cycle management.

**Required Qualifications:**

- Bachelor's degree in Electrical Engineering, Electrical Engineering Technology, or related engineering discipline from ABET accredited program.
- 3+ years of test, test engineering, and/or electronic troubleshooting experience with embedded systems.
- Familiarity with test equipment including bus analyzers, oscilloscopes, signal generators, programmable supplies, commercial test systems, simulators, custom fixtures, and other PCB-level test tools.
- Analog and digital circuit troubleshooting skills and experience collecting and processing data for validation.
- Experience reading, understanding and accurately following prints, electrical schematics, sketches, test procedures as well as verbal and/or written instructions.
- Strong organizational and communication skills. Ability to work independently and within a team environment.

**Additional Preferred Qualifications:**

- Past work history with the design, fabrication, and testing of electronic and mechanical sub-systems.
- Ability to understand and develop code in Python, C++, C#.
- Mechanical aptitude with the ability for light fabrication of test setups.
- Experience with Matlab, LabVIEW, Altium Designer or Programmable Logic Controllers.

**Job Duties:**

- Design and operate R&D and production test equipment including the introduction of new processes, capabilities, and technologies.
- Apply theory of operation for Unit Under Test to identify and resolve product design, workmanship, environmental or component issues.
- Hardware and software system validation, test, and analysis through all phases of development and integration.
- Interpret test requirements to develop methodologies, processes, scripts, and associated software architecture to design and implement specialized test equipment.
- Document and prepare test processes, procedures and troubleshooting results with minimal oversight.
- Develop and execute improvement projects to solve issues affecting production efficiencies and assist manufacturing in the testing and troubleshooting of production hardware.
- Work with application and software engineers to meet customer/system requirements and support quality department activities to determine root cause analysis of non-conforming product.
- Other duties as assigned.

**How to Apply:** Email your resume and cover letter to: [HR@pe-ltd.com](mailto:HR@pe-ltd.com).