



# Job Description

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Position: **Electrical Engineer**

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## Overview

Larson Automation is a small, fast growing company serving the electronics' manufacturing industry with custom automated functional test solutions. We leverage industry standard software and state of the art hardware to provide innovative applications tailored to our customers' requirements.

We are looking to develop a hands-on test automation electrical engineer to design test fixtures, test systems and become a measurement expert. This is a broad definition that requires a multi-disciplinary person who can design multiple projects concurrently.

## Duties and Responsibilities

- Develop functional test solutions based on customer requirements.
- Working within a team, analyze the customer's products to determine the best test strategy.
- Design the electrical interface to implement the measurement efficiently and within budget.
- Work with the software engineers to determine the best test methodology and generate detailed test plans.
- Each project requires a variety of interface solutions- projects typically involve developing custom PC boards to route signals, perform level conversions, simulate custom logic, or perform other operations.

## Skills and Requirements

- BSEE degree
- Training in Orcad/AutoCAD, Xilinx ISE or equivalent helpful
- Experience developing functional test fixtures in an engineering/manufacturing environment is a plus
- Must be goal oriented, with the ability to complete projects on time
- Knowledge of standard test equipment is helpful
- Strong communications skills are a must
- Interest or experience in testing electronic assemblies/systems in an automated manufacturing environment.
- Capability of designing circuitry to interface customer product to standard test equipment using standard schematic capture tools; layout simple PC boards using standard layout tools; develop custom logic for CPLD & FPGAs using Verilog.
- Designing, testing, and verifying interface circuits in a functional test fixture environment

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