

Semiconductor Test Engineer

Part-Time • Bellport, NY

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Company Overview

Chiplytics provides a quality assurance platform that powers the distribution of secure, authentic electronic components. The company is the first to commercialize a scalable electrical testing method for authenticating microelectronics, combined with AI, machine vision, and supplemental inspection techniques to achieve unprecedented coverage and traceability. Chiplytics is trusted by leading defense and high-reliability manufacturers to protect the integrity of the semiconductor supply chain. For more information, visit chiplytics.com.

Job Description

We're building a team of part-time semiconductor test engineers to support electronic component testing through the Verified by Chiplytics program. Working alongside our VP of Operations and full-time Semiconductor Test Engineer, you'll gain hands-on experience using lab equipment, following test procedures, and analyzing results for critical electronic component orders. We'll provide paid training on equipment operation, safe component handling, and electrostatic discharge (ESD) protection before you begin assigned testing work.

This opportunity offers paid testing shifts as customer orders come in, rather than a fixed weekly schedule. After training, you can sign up for testing shifts that fit your availability.

Responsibilities

1. Completion of Chiplytics semiconductor inspection lab operator training program
2. Support electronic component testing under the guidance of a lead test engineer.
3. Operate lab equipment for incoming inspection, visual inspection, and electrical testing, with opportunities to learn additional methods such as X-ray and XRF after completing the required training.
4. Use Chiplytics automation and inspection technology, including the General External Visual Inspection (GEVI) system, during testing.
5. Follow approved test procedures, ESD controls, and safe component handling practices.
6. Record test results, images, and observations accurately and help prepare test reports.
7. Flag unexpected results or equipment issues for review by the lead test engineer.
8. Help prepare workstations, organize components, and maintain an orderly lab during testing assignments.
9. Document bugs and workflow improvements to testing procedures based on hands-on experience.
10. Contribute to analysis of inspection results and report writeup.

Requirements

- Currently pursuing or recently completed a bachelor's degree in Electrical, Mechanical, Computer, Manufacturing, or a related engineering field.
- Interest in semiconductor testing and hands-on lab work.
- Strong attention to detail and the ability to follow written procedures and maintain accurate records.
- Willingness to complete required training and ask for guidance when needed.
- Coursework, academic lab experience, or personal projects involving electronics or test equipment are a plus.
- Familiarity with Python or Jupyter Notebook is a plus.
- Availability to work full shifts at our inspection lab in Bellport, NY on days that fit your schedule. Shift commitments will be agreed in advance based on testing needs.
- Must be a U.S. person (U.S. citizen or lawful permanent resident) due to export control regulations.
- Eligibility for U.S. Government security clearance is a plus.

How to Apply

Send an email to join@chipytics.com with your resume, available days and time windows, earliest start date, and a short paragraph about yourself and why you're interested in applying.