Product Quality Engineer

SIGMADESIGN is a fun, fast-paced engineering consulting company currently experiencing explosive growth. We are looking for Product Quality Engineer. Culture, Curiosity, Competency and Confidence are a must. We offer competitive compensation (DOE), medical and dental insurance, a retirement plan, and profit sharing. We also offer Voluntary Benefits: Vision, Long Term Disability, and Term Life insurance.

Primary Function:
Responsible for ensuring customers receive quality products through testing, tool specification, configuration, and implementation. Responsible for electrical test of page wide inkjet products from prototype through production.

Essential Job Functions - Responsibilities:
• Design, develop, evaluate and qualify test tools required for development, testing and production of new products.
• Execute test plans, collect and analyze data, calculate process capabilities related to new products.
• Correlate process capabilities back to product needs to determine appropriate specifications and ensure customer satisfaction.
• Analyze Etest failures to root cause, recommending or implementing actions to reduce or eliminate failures.
• Document new product specification justifications that are originated by the R&D team.
• Ensure test tool data is archived in a database. Analyze test data to support prototype development, production analytics and production escalation.
• Identify gaps in test tooling capability, process capability or incoming material capability as necessary to ensure organizational awareness of any issues.
• Drive to close gaps wherever possible.

Education and Experience: (Knowledge, skills, & abilities)
• Bachelor’s degree in Electrical Engineering, Computer Science or equivalent; advanced degree highly desired.
• Previous experience in R&D/Proto/Manufacturing environments.
• Demonstrated ability to manage scope, schedule and resources for complicated projects - ability to organize and track critical settings across multiple platforms, test tool instances and proto, production and offline applications.
• Solid understanding of Quality Systems, Statistical Process Control, Design of Experiments and basic statistical data analysis; experience with JMP is preferred.
• Experience with SQL queries and proficiency with PCs and networking.
• Familiar with programming languages (such as Arduino, Python, C/C++ and MS-DOS batch) and the ability and interest to learn new languages as needed.
• Working knowledge of Design for Manufacturability principles and concepts.
• Excellent analytical and empirical problem solving and troubleshooting skills.
• Excellent teamwork/interpersonal skills and the ability to communicate effectively. Demonstrated ability to work collaboratively, both within and outside one’s own work group.
• Demonstrate Commitment and adherence to SIGMADESIGN Core Values.
• Advanced proficiency in MS Word, Excel, Outlook and PowerPoint.
• Pass a post-offer background verification.
• Complete Pre-Employment Assessment required: Begin Assessment

In addition to submitting your application, please complete the Pre-Employment Assessment to be considered for this position.

Work Environment
Standard office environment with normal amounts of office related conditions. Occasionally may be required to work in environmental conditions that emulate typical user environments in order to facilitate design testing and validation.