



Requisition #21-012

EMPLOYMENT POSTING

Job Title: Software Test Engineer

Department/Work Area: **31 Engineering**

Overland Park, KS

Responsible for developing, evaluating, and maintaining functions related to testing of software at the unit, module and system level. The Software Test Engineer will serve as the technical liaison between design and Quality Assurance/Certification Authorities for software test activities. The Software Test Engineer will provide change impact analysis for software test issues.

Duties and Responsibilities:

- Develop standardized test philosophy, methodology and processes for new product development and re-design of existing product
- Actively participate in new product development and reviews. Recommend design attributes and features required to make the product repeatably testable and easy to troubleshoot with appropriate levels of automation
- Develop test procedures and instrumentation with the product design engineer. Designs and oversees test fixture construction
- Analyze processes, products, and inspection records to anticipate, identify, and correct problems.
- Prepare evaluation reports, analyze discrepancies, make recommendations for and initiate improvements for product, test equipment, procedures, and processes that improve quality, productivity and reduce flowtime.
- Evaluate opportunities for defect prevention based on standard or accepted technical practices and recommends preventive corrective actions.
- Care for company assets.
- Adherence to company policies and procedures.
- Performs duties as assigned.

Education / Experience:

BS Degree in Electrical or Computer Engineering or Computer Science. Minimum three years of experience in software testing. Sound knowledge of theory and development of testing techniques. Excellent written, oral and presentation communication skills and ability to effectively listen and lead. Ability to work under minimal supervision with latitude for independent action and decision making.

Additional Desired Characteristics:

- Test development experience with C/C++ is preferred.
- Test development experience with Linix is preferred.
- Experience writing test procedures
- Experience with DO178 or DO278 Design Assurance processes
- Experience with National Instruments / LabVIEW based test environment
- Strong cross-functional collaboration and teamwork skills and project management skills
- Experience with electronic test equipment design, including hardware and software
- Circuit design, simulation, and troubleshooting
- Experience in one or more relevant programming languages
- Deep understanding of software standards and specifications
- Self-motivated, proactive, and the ability to handle multiple tasks and changing priorities

- Experience using MS Office Suite desktop applications, such as MS Word, Excel, PowerPoint

Physical / Mental Demands:

- Ability to organize work efficiently and establish priorities.
- Ability to lift, operate and instruct others in the use of tools and test equipment.
- Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Any employee interested in this position may submit a Request for Position Consideration. This form can be obtained from Human Resources.

Alicia Worthey, Human Resources Director