



Position Profile: Software Engineer - Test Tool Development
Competition Number: US201004
Business Unit: Engineering
Reports To: Manager, Test and Verification
Location: Scottsdale, AZ
Date: November 18, 2009

Purpose:

This position is seeking an individual to take on the challenge of designing and developing an automated test and simulation environment to enable comprehensive product verification for GPS positioning and guidance systems. This will include interface simulation, test case organization, and data analysis. In addition to tool development, this individual will work closely with the hardware and software designers during the product design specification phase. They will also work to develop test cases appropriate for the test tools and will support final product verification for both hardware and software elements of the integrated product.

Responsibilities:

- Design and develop tools to automate system level testing and exercise product interfaces.
- Analyze requirements for testability.
- Work with design teams to ensure testability of products.
- Develop verification test cases.
- Analyze product test coverage through the design cycle.
- Provide risk assessment against test coverage.
- Develop efficient and repeatable data analysis techniques.
- Ensure product is tested to design specifications.
- Failure mode analysis.
- Some travel required.

Education and Experience:

- Certificate/Technical degree for Advanced Diploma in Information Technology, Computer Science or Software Engineering.
- Minimum five (5) years experience in product design, software development, and test.

Demonstrated Competence in the following:

- Knowledge of hardware and software design processes.
- Knowledge of regulatory and safety standards for industrial products.
- Knowledge of statistical processes as related to measurements and quality control.
- Experience in developing system verification test techniques and test cases.
- Knowledge of test methodologies and equipment for benchmarking complex equipment.
- Experience in the development of test tools using scripting languages.
- Knowledge of programming languages such as C/C++ and Windows.
- Use of Microsoft Office applications.
- Experience in GPS, Agriculture or machine control environments is an advantage.
- Knowledge of basic radio systems performance factors is an advantage.
- Experience with CANoe based systems is an advantage.
- Knowledge of Linux is an advantage.

Apply

- Send Resume to careers@hemispheregps.com
- **Please quote competition number US201004**
- No phone calls please.

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