



Position Profile: Embedded Software Engineer
Competition Number: US201020
Business Unit: Software Engineering - Agriculture
Reports To: Software Team Leader
Location: Scottsdale, Arizona
Date: February 5, 2010

Purpose:

The primary purpose of this position is performing design and development tasks of machine control applications for embedded platforms and to provide programming support, test support to develop products in accordance with user requirements and the company's development process.

Responsibilities:

- Work in a team to design, develop and test software components written in C, C++ Embedded platforms.
- Contribute to the improvement of software development systems and processes to ensure efficient and effective work procedures are maintained and/or improved.
- Contribute to the innovation and advancement of the company's products.
- Perform tasks as specified by the Director of Software Engineering & General Manager (AUS)
- Design, develop, test and document quality software to user and functional requirements within specified timeframes and in accordance with Hemisphere GPS coding standards
- Design and implement complex embedded and desktop software on a variety of hardware platforms.
- Program in C, C++, assembly on embedded and desktop systems.
- Generate rapid prototypes for feasibility testing.
- Work with engineering testing and production teams for software validation/verification.
- Generate all documentation relevant to software operation.
- Perform tasks as specified by the Software Development Team Lead(s)
- Adhere to the Hemisphere GPS Quality Management System (QMS) ISO9001:2008
- Contribute to the improvement of development systems and processes to ensure efficient and effective work procedures are maintained and/or improved
- Communicate effectively with customers on technical or sensitive issues.
- Provide on-site customer support when required (only on very sensitive or urgent issues)
- Other related duties as assigned by management and/or executive team.

Education and Experience:

- Degree in Software Engineering, Computer Science, Mathematics Post-Graduate or qualifications in a related field required.
- Minimum 5 years experience writing compiled binary software for embedded systems C/C++/.
- Working knowledge of communication protocols.

Demonstrated Competence in the following:

- Possess working knowledge of GPS
- Excellent written and verbal communication skills
- Proficiency with Windows Visual C, C++ and other Microsoft tools.
- Linux, Windows CE, Windows XP (embedded O/S)
- GIS or other mapping software
- GPS, particularly for applications on aircraft and/or ground vehicles preferred



Apply

- Send Resume to careers@hemispheregps.com
- **Please quote competition number US201020**
- No phone calls please

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