Test and Calibration Software Engineer

Job Description:

Meridian Innovation is recruiting an experienced and highly energetic Software Engineer for design, development of test and calibration software for our infrared sensing systems. Software Engineering is a part of our integrated semiconductor chip technology. This position will involve working in a fast moving cross-discipline and highly creative environment. You will participate in every phase of a project: definition of requirements, software design & coding, testing and system integration.

The ideal candidate is a highly mobile, adaptive and forward thinking individual, able to take ownership of complex processes while executing on immediate short term deliverables. Key skills will include complex problem solving, debugging and excellent documentation. Good presentation skills, a willingness and passion to learn new technologies. Teamwork is very important to Meridian Innovation, so the ability to work well with other programmers and manufacturing staff is critical. The candidate must possess excellent verbal and written communication skills in English and Mandarin is highly desired. Meridian Innovation is a well-funded start-up based in Singapore, focusing on thermal imaging for commercial application. This is a unique opportunity to join our small, talented and very experienced team and help shape the future of our products.

Basic Qualifications

- 3+ years of experience programming in C++ is required
- Strong object oriented approach to design and program with experience in large systems is required
- Experience programming in an SQL environment including ability to write and debug complex queries is required
- Experience with .NET framework and/or Microsoft Foundation Server is highly desirable
- Experience with large software development projects with multiple developers using source/version control is highly desirable
- Experience developing in Visual Studio is highly desirable
- Experience testing equipment in thermal chambers is desirable
- Understanding of the hardware, firmware and software components of embedded systems under development is very helpful
- Understanding of hardware subsystems and common peripheral buses such as I2C, SPI, USB, UART, frame grabber is desirable
- Ability to setup various tool chains, build and debugging environments and use of debugging tools like oscilloscopes, logic analyzers, etc. is very helpful
- Experience with infrared and/or visible imaging technologies, image acquisition and processing is highly desirable but not required
- Ability to design object oriented reusable software in a manner that reduces test time is very important to get our product to production
Desired skills

- Bachelor / Master degree or equivalent experience in EE, Mathematics, Physics, Computer Science/Engineering, or equivalent
- +5 years of industry experience in C programming and embedded system programming
- Proficiency with Word, Excel, Project, Power Point
- Strong ownership and drive for success
- Proficient in English and Putonghua

**Job Location(s):** Hong Kong

**Please contact Meridian Innovation (HK) LTD:** hr@meridianinno.com