



Intellihot

Jr Controls & Firmware Engineer Job Description

Position Summary

The Jr controls & firmware Engineer is responsible for applying Hardware, Firmware, and Electrical Engineering skills to integrate, build and test innovative products to meet customer expectations. The Candidate should be able to understand electronic circuits, write firmware and debug it.

Key Responsibilities:

- Systems integration of electromechanical systems
- Bundles HW/FW code for programming purposes.
- Perform the first round of testing after the new code release (regression and preliminary bug fix testing).
- Excellent knowledge of coding techniques, interfaces, and hardware subsystems
- Document test results & create debug/bug procedure.
- Perform other duties as assigned.

Qualifications:

- An engineering degree is required, Bachelor's in Computer Engineering, Electrical Engineering, or related field.
- Exposure to developing, documenting, and releasing firmware for commercial products.
- C and C++ programming skills
- Experience with circuit board testing and debugging.
- Working knowledge on the communication protocols (UART, I2C, Ethernet etc.) used in the electronics industry.
- Willingness to learn new tools.
- Excellent verbal and written communication skills
- A hands-on approach to problem-solving.
- Working knowledge of Windows OS, iOS, and Android
- C and C++ programming skills

Competencies:

- Problem Solving & Critical thinking
- Debugging
- Hardware/Electronics/Electrical
- Component Troubleshooting
- Organizational skills
- Communication
- Teamwork

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