

Labview Controls Engineer

To Apply for This Position:

Create an email with subject title "Labview Controls Engineer", email a copy of your resume to jessica@princetechtechnology.com

Job Duties: Develop test benches including coding, data acquisition, hardware-software integration, human machine interfacing (HMI) and support for Mechatronics and Product Test Lab teams based on Test Order (TO). Develop calibration tools (software and hardware) for Dynamometer commissioning and testing. Create, improve, debug and release software for dynamic, static and actuator testing using National Instruments setup in LabVIEW. Perform high speed data acquisition with CCP and CANbus from unit under test (UUT). Build reliable communication between different test setup using NI VISA, RS232, RS485, GPIB during test. Develop drivers using LabVIEW for supporting hardware. Support data analysis in CANape. Program Smart Relay PLC. Develop software for end of the line automated MS Excel report generation. Support the instrumentation team with in house device developments. Use LabVIEW, C/C++, Visual Basic, Vector CANape, MATLAB, Python, WindLGC, NX, Solid Works, Proteus, CadSoft Eagle, Altium, ArduinoUNO-MEGA, Raspberry Pi, BeagleBoneBlack®, PIC, NI cDAQ, cRIO, NI AI-AO-CANXNET-DIO modules, IDEC SmartRelay, Sylvac Conditioners, Windows, Raspbian, Ubuntu.

Work Location: Various unanticipated work locations throughout the United States; relocation may be required. Must be willing to relocate.

Minimum Requirements:

Education: Master – Mechanical Engineering and Applied Mechanics

Experience: None