Test Engineering and LabVIEW Programming Internship / Co-Op

Description

About 221 Innovations
221 Innovations, Inc. is Wichita based company specializing in the design, build, and commissioning of complex test engineering solutions for industries across the Midwest. We are currently delivering solutions in the aviation, oil and gas, transportation, and commercial products industries. These solutions require the application of solid design principles, the ability to multi-task and remain flexible, and creativity.

221 Innovations is a National Instruments Alliance Partner and many of our solutions are based on National Instruments measurement hardware and LabVIEW. We are also specialists in NI VeriStand and we work with several companies to design and maintain test stand systems utilizing VeriStand, customized with LabVIEW based FPGA code and custom devices.

The Role
The internship will be to assist with the design, programming, build, and delivery of test solutions. This includes involvement in the specification of instrumentation and sensors required for the measurements, creation of the LabVIEW code needed to make the measurements, assembly of the test stand and/or instrumentation control box, and the deployment of the system with the end user.

Required Skills
- Familiarity with basic electrical principles
- Experience using test equipment such as DMM’s, oscilloscopes, power supplies, and electro-mechanical equipment
- Experience in basic computer programming, preferably LabVIEW, but other languages acceptable

Desired Skills
- Familiarly with CAD modeling software packages for mechanical and electrical systems
- Experience creating mathematical models in Matlab

Qualifications
- Currently working towards BS or MS in relevant engineering program
- Must be results oriented, self-sufficient, and able to think independently
- This is a hands on position that requires uses of hand tools, assembly of electrical systems, and construction of mechanical test fixtures.

Contact
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