WE'RE HIRING!

Hardware Engineering Co-Op - Electrical

Dominion Voting is searching for a passionate and driven **Hardware Engineering Co-Op** to join our team in Toronto! This position is responsible for learning and supporting all aspects of electromechanical product development including the assembling and testing of engineering prototypes, and maintaining and managing the electrical and mechanical engineering labs.

Responsibilities

- Assemble, test and debug prototypes comprising of electrical, software and mechanical components such as DC and Stepper motors, solenoids, sensors, power supply, electronic control boards, etc.
- Assist in performing root cause analysis, Failure Mode and Effects Analysis (FMEA), DOE (Taguchi), design for manufacturing/assembly and Critical Parameter Management.
- Perform tests and measurements of various parameters and maintain test records.
- Create test reports and use various computer programs for sorting, processing and charting test results and data.
- Assist in creating and maintaining system and test description documents such as BOMs, assembly drawings, test procedures and Software & Module Operating Description.
- Use powered and unpowered hand tools and other electrical lab tools such as oscilloscope, logic analyzer and video capture equipment as, and where necessary, during the course of testing and debugging.
- Work with engineering staff to design, create and use various Test Rigs and Test Jigs.

Qualifications

- Must have completed the first two years of an undergraduate degree in Electrical Engineering.
- Good working knowledge and understanding of powered and unpowered hand tools.
- Excellent verbal and written communication skills.
- Strong organizational skills to include multi-tasking and time management skills.
- Excellent analytical skills.
- Ability to make and record subtle operational observations of electromechanical products such as printers and scanners.
- Ability to work in a multi-discipline team environment in a swift design and development environment.
- Ability to establish and maintain good relationships with other departments and customers.
- Ability to analyze problems and identify potential solutions and preventive measures.
- You may be required to travel to customer's site, manufacturing facilities and test labs for technical support several times a year.

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