

Thang Pham

Electrical Controls Technician

Controls technician with over 1 year of experience and multiple successful projects involving modification, commission and maintenance of control system for automated equipment. Proficient in developing PLC control logic from scratch using various platforms. Adept in circuit troubleshooting, controls modification, and installation of electrical components. Well-versed with hand and power tools including drill, tap, crimper and stripper.

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SKILLS:

- RSLogix 5000/500, CX-Programmer, Step 7 MicroWin.
- Ladder logic, FBD, SFC.
- HMI Development (FactoryTalk View, CX-Designer).
- Electrical Schematic Reading.
- Electrical Wiring.
- Process Automation.
- SolidWorks.
- Circuit Troubleshooting.
- Soldering

WORK EXPERIENCE:

Lincoln Electric (Mississauga, ON)

Dec 2018 – Jan 2020

Electrical Controls Technician

- Perform electrical modifications of plant's equipment, including modification of control panel and HMI, installation and wiring of electrical components such as contactors, relays, and various types of sensors.
- Plan and implement process automation which includes building electrical panels, create PLC ladder logic (RSLogix 500, CX-Programmer), as well as wiring field devices to PLC I/O.
- Modify PLC ladder logic programs (Siemens Simatic Step 7) and HMI (Omron CX-Designer) to accommodate new hardware installations or adjustment of existing hardware.
- Troubleshoot, repair, and monitor electrical equipment such as sensors, motors, and control systems for various automation processes.
- Installing EMT conduits and run wire to power equipment as needed.
- Resolve any electrical problems occur within the plant to ensure smooth production and minimal downtime.

Computronic Corporation (Toronto, ON)

May 2018 – Oct 2018

Electronics Technician

- Perform diagnostic test and troubleshooting for logic boards.
- De-solder and replace faulty components including resistors, capacitors, charging port and IC chips.
- Assemble and set up computer servers based on specifications.
- Ensure cable and wiring connections are organized and accurate.

PROJECT:

Automated Coffee Maker

Jan 2018 – Apr 2018

- Utilize CAD (SolidWorks) to design a complete 3D modeling of the automated coffee machine and engineering drawings for mechanical components. Fabricate, assemble, test, troubleshoot and repair electrical circuits and mechanical parts which include proximity sensors, robotic arm, powder dispenser, conveyor, HMI and other safety features. Develop and test code for process automation to control 6-DOF robotic arm, conveyor motion as well as HMI selection screen.

EDUCATION:

Centennial College

Sep 2020 - Present

- Software Engineering Technician

George Brown College

Jan 2017- Apr 2018

- Electro-mechanical Engineering Technician Diploma with Honours