

PHILLIP CRANDALL

CONTROLS ENGINEER

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About me

I currently live in Middle Tennessee where I work as a Controls Support Engineer. I provide on-site support with a team of Mechatronic technicians, Software Developers, and IT to ensure maximum uptime for the installed systems. I make it my specialty to identify root cause issues for recurring events and find solutions to unique problems that arise. My continuous desire to learn and grow manifests itself in learning all things related to emerging technology and trends in the software development and PLC programming fields.

Expertise

Conveying Automation

Siemens S7, Siemens Tia Portal, RSLogix 500, RSLogix 5000, Logix Designer, RSLinx, Mitsubishi Gx Works 2, IFM Sensors, Keyence Sensors, Keyence Light Curtains, Powerflex VFDs

FANUC Robotics

HandlingTool Teach Pendant Programming, Mastering Robots, Teaching Positions, Maintaining Backups

Software / Programming

Linux, Javascript, NodeJS, React, HTML5, CSS, C, Git, Bash, Visual Basic, Ladder Logic, Function Block, STL, SCL, AutoCAD Electrical, Visual Studio Code, Microsoft Excel, Microsoft Word, Microsoft Powerpoint

Vision Systems

Cognex Insight, Fanuc IrVision, Keyence IV Navigator, Keyence CV-X

HMI's

Automation Direct C-Mores, Panelbuilder 32, FactoryTalk View Studio, Mitsubishi GOT

Barcode Systems

Zebra Printers, Keyence DV90, Programming Hand Scanners, Cognex Dataman, Sick Scanners, and Cognex Checkers

Education

Austin Peay State University

Associate of Science

Completion May, 2019

Udemy

PLC Programming 1 & 2

Completion April, 2017

Penn Foster

Electrical Apprenticeship

Completion September, 2012

Experience

SSI Schaefer

Controls Engineer

April 2019 - Current

Provide technical support for automated material handling equipment in the distribution center, using complex troubleshooting and problem solving with an array of technical tools. Program , troubleshoot and repair PLC controlled systems.

Akebono Brake Corporation

August 31, 2015 - April 2019

Controls Technician

Responsible for maintaining, improving, and modifying existing automation systems, as well as providing technical support to production and maintenance personnel plant wide.

Akebono Brake Corporation

June 1, 2015 - August 30, 2015

Controls Co-op

Responsible for assisting Controls Engineering group with project documentation, materials requisition and setup, as well as wiring control cabinets.

Feyen-Zylstra Electrical

January 15, 2014 - May 31, 2015

Systems Installer

Responsible for installation of card access control systems, HVAC control systems, and security camera systems in commercial and industrial environments.

Gaylor Electric

July 22, 2014 - December 10, 2014

Electrician

Responsible for installation of raceways for high bay lighting systems, power distribution transformers, high bay lighting, switches, receptacles and wire pulling ranging from 750 KC mil - 18 awg

Feyen-Zylstra Electrical

January 17, 2011 - July 13, 2014

Electrician Apprentice

Responsible for assisting Journeyman electricians in the installation of Switchgear, MCCs, conduit, cable tray, Lighting systems, receptacles, lighting switches, and motors, as well as wire-pulling in an industrial environment.