

Phillip Crandall

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Controls Technician

I currently work at Akebono as the Controls Technician on second shift. I support the entire plant on my shift, aiding production and maintenance with troubleshooting electrical issues and adjusting PLC, HMI, and robot programs as needed. I also work on plant growth/ continual improvement projects for Engineering. Tasks include wiring up new control cabinets as well as implementing and debugging new robot programs, machine vision programs, and PLC programs.

System Proficiencies

Conveying Automation: RSLogix 500, RSLogix 5000, Logix Designer, RSLinx, Mitsubishi Gx Works 2, IFM Sensors, Keyence Sensors, Keyence Light Curtains, Powerflex VFDs

HMI's: Automation Direct C-Mores, Panelbuilder 32, FactoryTalk View Studio, Mitsubishi GOT

FANUC Robotics: HandlingTool Teach Pendant Programming, Mastering Robots, Teaching Positions, and Making Backups.

Vision Systems: Cognex Insight, Fanuc IrVision, Keyence IV Navigator, Keyence CV-X

Barcode Systems: Zebra Printers, Keyence DV90, Programming Hand Scanners, Cognex Dataman, and Cognex Checkers

Software Knowledge: AutoCAD Electrical • Wireshark • ProfiTrace • Linux • Microsoft Visual Studio • Putty • Microsoft Excel • Microsoft Word • Microsoft PowerPoint

Education & Certifications

Austin Peay State University	-	Electronic Engineering Technology	- Dec 2015- TBD
Udemy	-	PLC Programming 1 & 2	- Completion April 2017
Penn Foster	-	Electrical Apprenticeship	- Completion September, 2012

Work History

Controls Technician, Akebono Brake Corporation August 31, 2015 – Current

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

Controls Co-op, Akebono Brake Corporation June 1, 2015 – August 30, 2015

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

Systems Installer, Feyen Zylstra Electrical January 15, 2014 – May 31, 2015

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

Electrician, Gaylor Electric July 22, 2014 – December 10, 2014

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

Electrician Apprentice, Feyen-Zylstra Electrical January 17, 2011 – July 13, 2014

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.

References

Gary Marchese

Akebono Brake Corp.
Senior Controls Engineer
(931) 801-1893

Rob Howard

Akebono Brake Corp.
Senior Controls Engineer
(931) 206-9969

Andy Scahill

American Snuff Co.
Electrical Technician
(719) 440-4943