

Richard Bica

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OBJECTIVE

Seeking a stimulating, long term career in the electrical automation field, where I can continue to learn and grow.

EMPLOYMENT HISTORY

Custom Filter LLC

(October 2022 – Present)

Electromechanical Technician

Aurora, IL

- Installed and maintained operational safety devices on all equipment
- Provided maintenance support to production machinery, including waterjet systems, pleaters, unwinders, glue dispensing systems, cutters, punches/presses, conveyor systems, production robots, spinners, ultrasonic welders, injection molders, and various custom built machinery
- Fabricated and assembled light equipment for process improvement and redesign
- Maintained a Preventative Maintenance system to ensure that all equipment remains in optimum and safe working condition
- Ordered replacement parts to eliminate lost production time due to equipment maintenance and repair
- Interfaced with Engineering on special projects

WeatherTech

(November, 2015 – October, 2022)

Robotics Technician

Bolingbrook, IL

- Programmed, maintained, and repaired DMS CNC's, Fanuc M-10iA robots, Zund G3 cutters, and various Yaskawa robots/ Robot conveyor cells
- Interfaced with vision system software to optimize and troubleshoot automated processes
- Created programs from scratch or heavily modified various subroutines to automate various tasks
- Repaired end-of-arm-tooling's amongst other electromechanical hardware
- Modified and reconfigured trim programs to optimize efficiency
 - Personally developed several program tools from scratch to heavily minimize task time; examples on website
- Conducted preventative maintenance; Filled various documentation; personally created training manuals
- Electrical troubleshooting, repairs, and maintenance on circuits ranging up to 460VAC

EDUCATION

Joliet Junior College, Joliet IL

Associate of Applied Science in Electrical Automated Systems

GPA: 4.0

Phi Theta Kappa Honors Society

Relevant Courses; Industrial Controls I & II, Electrical Troubleshooting, Process Control & Instrumentation, Industrial Maintenance, Industrial Circuits Programmable Logic Control I & II, Welding, Motors & Drives

CERTIFICATIONS

- Rockwell Automation Associate ControlLogix Maintainer
- Fluke Digital Multimeter
- Arduino
- Google IT Support
- JLG MSP 15/20 lift truck
- OSHA 10
- Python

SKILLS

- Competent in the following software/hardware:
 - **Software;** Fagor, RSLogix 500/5000, RSLinx, kiCad, Visual Studio, In-Sight Explorer, FactoryTalk, Click
 - **HMI;** PanelView Plus 700, Allen Bradley, Red Lion, C-more
 - **Robot;** Fanuc, DMS, Yaskawa, Universal Robots
 - **Communication Protocol;** RS232, Ethernet, Serial and Parallel Port, PROFIBUS, Sercos
 - **Automation;** Rockwell, SLC 500, MicroLogix, Fagor, Atom, Zund, Omron, Cognex, Keyence, ClearPath
 - **Programming Languages;** C/C++, Python, VBA, Karel, RLL, FBD, PowerShell, Linux
- Experience with mechanical, pneumatic, and hydraulic system repairs
- Comprehensive understanding of electrical schematics and troubleshooting
- PCB and digital electronics diagnostics/repairs
- Experience with NFPA 70E and NFPA 70 Standards