



# Legend Blake

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## SUMMARY

Dedicated Controls Electrician passionate about troubleshooting and repairing industrial electrical systems. Over three years of hands-on experience with PLCs, 480V three-phase motors, VFDs, and diverse production machinery. Adept at performing preventative maintenance while ensuring compliance with GMP standards. Strong problem-solver committed to enhancing operational efficiency through teamwork and collaboration. Possesses a keen interest in continued learning and improving skills relevant to fast-paced environments. Eager to contribute expertise and technical knowledge in a thriving maintenance team focused on reliability and sustainability.

## EXPERIENCE

### Controls Electrician

January 2023 - Present

TechWorks Solutions

Chicago, IL

As a Controls Electrician, plays a vital role in maintaining and repairing critical electrical and control systems across high-speed baking and packaging facilities. Ensures efficient operations by implementing effective troubleshooting strategies and best practices in preventive maintenance.

- Spearheaded electrical troubleshooting for various production equipment, minimizing downtime and enhancing operational reliability.
- Executed preventative maintenance protocols on electrical, pneumatic, and hydraulic systems, significantly reducing unplanned outages.
- Collaborated seamlessly with maintenance technicians to address complex issues in high-speed packaging machinery, including mixers and fillers.
- Mastered reading and interpreting electrical blueprints and schematics, which facilitated accurate wiring and system modifications.
- Ensured strict adherence to GMP standards through safety protocols and by maintaining a clean, organized workspace.
- Utilized personal tools and test equipment effectively to ensure safe completion of maintenance tasks, promoting workplace accountability.

### Maintenance Technician

June 2021 - December 2022

ElectroMech Services

Aurora, IL

Contributed as a Maintenance Technician, providing essential support for the regular upkeep and repair of diverse industrial equipment. Engaged in collaborative efforts to bolster machine reliability and overall performance through maintenance excellence.

- Conducted routine maintenance and repairs on a range of industrial equipment, enhancing functionality and ensuring compliance with safety standards.
- Assisted in troubleshooting PLCs and electrical systems, leading to better response times and reduced overall machine downtime.
- Collaborated with cross-functional teams to support ongoing projects and schedules, enabling a cohesive approach to operations.
- Documented all maintenance activities and communicated equipment status to management, contributing to strategic planning initiatives.
- Acquired hands-on experience with food production equipment, honing skills in both operation and troubleshooting.
- Participated in training sessions, enhancing technical knowledge and keeping pace with emerging technologies in electrical maintenance.

### Electrical Technician

March 2020 - May 2021

Industrial Power Solutions

Schaumburg, IL

Engaged as an Electrical Technician, focusing on installing and repairing electrical systems within industrial applications while prioritizing safety and quality diligence.

- Supported installation and repair efforts for electrical systems in various settings, ensuring adherence to the highest safety and quality standards.
- Participated in troubleshooting for three-phase motors and VFDs, significantly enhancing the team's operational efficiency.
- Engaged in continuous learning related to HVAC maintenance and boiler operations, boosting adaptability across diverse maintenance tasks.
- Implemented necessary wiring modifications for control panels, effectively improving overall system performance.
- Followed stringent safety protocols in alignment with GMP requirements, maintaining compliance with industry best practices.
- Contributed actively in meetings, sharing valuable insights and lessons learned from peers to foster a supportive work environment.

## LEADERSHIP & AWARDS

- Dean's List, Chicago Technical Institute, 2020
- Outstanding Student in Electrical Technology Award, 2020

## EDUCATION

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Certificate in Industrial Electrical Technology

2020

Chicago Technical Institute GPA: 3.8

Chicago, IL

*Coursework: Electrical Principles, Basic Wiring, Control Systems, Programmable Logic Controllers*

## CERTIFICATIONS

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- PLC Programming Certification 📅 2021
- OSHA 30-Hour Safety Certification 📅 2022

## TECHNICAL SKILLS

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- **Control Systems:** PLC Design, Automation Solutions, Control Panel Wiring
- **Electrical Safety Standards:** OSHA Standards, NFPA Compliance, ANSI Regulations
- **Diagnostic Tools:** Multimeter, Oscilloscope, Megger
- **Pneumatic Systems:** Compressors, Actuators, Valves
- **Hydraulic Equipment:** Hydraulic Pumps, Motors, Cylinders
- **Welding Skills:** TIG Welding, MIG Welding, Electrode Selection
- **Machinery Components:** Bearings, Gearboxes, Drives
- **Maintenance Management:** Scheduled Maintenance, Work Orders, Inventory Management
- **Automation Equipment:** VFDs, Servo Motors, Sensors
- **Technical Documentation:** Blueprints, Schematics, Manuals

## SKILLS

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|----------------------------------|------------------------------------|----------------------------------|--------------------------------|
| • PLC Troubleshooting            | • Team Collaboration               | • Electrical Wiring              | • VFD Repair                   |
| • Electrical Systems Maintenance | • GMP Compliance                   | • Safety Protocols               | • HVAC Maintenance             |
| • Preventative Maintenance       | • Hydraulic Equipment Repair       | • Production Machinery Operation | • Industrial Wiring Techniques |
| • Blueprint Interpretation       | • Pneumatic System Troubleshooting | • Building Automation Systems    |                                |

## PROFESSIONAL AFFILIATIONS

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- Member, National Electrical Contractors Association
- Volunteer, Habitat for Humanity

## LANGUAGES

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- English (Native) • Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST