

Harrison Wilkerson

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SUMMARY

Electrical maintenance specialist with five years supporting institutional and commercial facilities through electrical repairs, low voltage installations, control work, and security device deployment. Hands on work includes EMT and rigid conduit, PVC pathways, wiremold, copper terminations, **relay modules**, access control, CCTV, motion sensors, **life safety systems**, and communication cabling. Circuit testing with multimeters, **volt ohm meters**, amp probes, and tone generators supports accurate fault isolation, continuity checks, voltage verification, load assessment, and ground fault investigation. Progression from craft maintenance into **electrician assistant** and specialist responsibilities reflects growing ownership of drawings, schematics, IP configuration, device zones, customer communication, and organized field execution. Practical work habits support safe, accurate service across active buildings, tight spaces, ladders, rooftops, and demanding infrastructure projects.

EXPERIENCE

Electrical Maintenance Specialist

March 2024 - Present

Midwest Campus Systems

Fort Wayne, IN

Supports electrical and low voltage maintenance across occupied institutional buildings, handling conduit pathways, security devices, circuit diagnostics, equipment connections, and scheduled infrastructure work. Coordinates carefully with facility operations while maintaining safe, orderly service areas.

- Installed access control devices, **CCTV cameras**, **motion sensors**, relays, power supplies, and communication cabling.
- Used multimeters, volt ohm meters, amp probes, and tone generators to isolate circuit faults accurately.
- Measured, bent, and installed EMT and **rigid conduit** from drawings, then completed equipment connections.
- Configured device zones and IP settings under senior guidance, verifying **communication links** before system turnover.
- Applied NEC practices, ladder safety, tool control, and housekeeping across concurrent facility assignments.
- Terminated **copper wiring** at security panels, relay modules, **power supplies**, and peripheral devices.

Electrician Assistant

June 2022 - February 2024

Crossroads Building Services

Muncie, IN

Supported senior technicians on commercial maintenance assignments involving lighting, outlets, **appliances**, **motors**, controls, low voltage systems, and security peripherals. Prepared materials, built serviceable pathways, documented testing results, and kept daily work organized across multiple facilities.

- Built **EMT**, PVC, and **wiremold** pathways from measured layouts, keeping conductor runs accessible.
- Prepared copper conductors for control panels, terminal points, relays, and **power supplies**.
- Investigated malfunctioning circuits with test instruments, documenting voltage, continuity, and suspected fault locations.
- Installed security peripherals and communication cable under guidance, maintaining precise mounting and labeling.
- Supported lighting, outlet, switch, ballast, appliance, motor, and control repairs across commercial facilities.
- Maintained clean tools and work areas while meeting work order priorities between assigned facilities.

Craft Maintenance Technician

September 2021 - May 2022

Hoosier Property Maintenance

Anderson, IN

Handled supervised **craft maintenance** across residential and light commercial properties, combining basic electrical repair, appliance service, construction support, control component replacement, and customer communication. Built early field discipline through safe measurements, organized parts, and careful escalation of complex issues.

- Replaced outlets, switches, fixtures, ballasts, and damaged components after safe circuit isolation.
- Read basic drawings and equipment information before measuring materials or opening assemblies.
- Supported appliance and motor **troubleshooting** through connection, **grounding**, continuity, and visual checks.
- Used hand tools, power tools, ladders, and measurement equipment safely in constrained work areas.
- Organized parts and documented completed repairs, giving supervisors and customers clear status updates.
- Assisted **construction** tasks and control component replacement across varied property maintenance assignments.

PROJECTS

Institutional Security Device Integration 📅 2025

Installed and tested access control devices, CCTV cameras, motion sensors, relay modules, and communication cabling across active facility spaces. Verified labeling, continuity, device zones, and communication links before service handoff.

Conduit Pathway Modernization 📅 2024

Measured, cut, bent, and installed EMT and rigid conduit for low voltage and electrical pathways. Pulled conductors through organized runs and completed junction box, grounding, lighting, and equipment connections.

LEADERSHIP & AWARDS

- Recognized by senior technicians for accurate circuit testing, orderly terminations, and dependable field support.
- Selected for increasing responsibility across institutional security device installations and scheduled infrastructure work.
- Trusted to coordinate clean, safe service areas around occupied facilities and active customer operations.

EDUCATION

Associate of Applied Science in Electrical Engineering Technology

Ivy Tech Community College GPA: 3.5

Coursework: Electrical circuits, electronic systems, control systems, electrical measurements

2021
Fort Wayne, IN

CERTIFICATIONS

- Valid Indiana Driver's License 📅 2026
- OSHA 10 Hour Construction Safety 📅 2022

TECHNICAL SKILLS

- **Electrical Systems:** Electrical controls, electrical equipment, electrical methods
- **Low Voltage Systems:** Security networks, communication cabling, signaling systems
- **Security Devices:** Electronic locks, biometric scanners, CCTV cameras
- **Testing Instruments:** Multimeters, volt ohm meters, amp probes
- **Signal Testing:** Tone generators, continuity testing, voltage testing
- **Conduit Pathways:** EMT, rigid conduit, PVC pathways
- **Cable Management:** Wiremold, cable routing, cable termination
- **Control Components:** Relay modules, power supplies, control panels
- **Electrical Components:** Outlets, switches, ballasts
- **Codes And Drawings:** National Electrical Code, building codes, schematics

SKILLS

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|------------------------------|---------------------|---------------------------|--------------------|
| • Electrical troubleshooting | • Access control | • NEC compliance | • Equipment repair |
| • Low voltage systems | • CCTV systems | • Device configuration | • Job site safety |
| • Conduit installation | • Relay logic | • Ground fault isolation | • Customer service |
| • Circuit testing | • Blueprint reading | • Technical communication | |

PROFESSIONAL AFFILIATIONS

- Ivy Tech Community College, Electrical Engineering Technology alumni community.
- Institutional facilities maintenance and electrical trade professional community.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST