



Harrison Wilkerson

Electrical Specialist, Low Voltage Systems

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STRENGTHS

- 🔍 **Fault isolation**
Tracing a circuit with a tone generator or meter brings clarity quickly, helping senior technicians act with confidence.
- 🔧 **Conduit installation**
Measured bends and clean pathways became a reliable part of daily work, even in tight finished spaces.
- 🔒 **Security devices**
Access control and camera installations receive careful labeling, so future service starts with useful information.
- ♥️ **Safety discipline**
Ladder checks, tool control, and clean work areas keep demanding facility assignments moving without avoidable interruptions.
- 💬 **Customer communication**
Clear updates help facility users know what changed, what was tested, and when service can resume.

SKILLS

Electrical troubleshooting

Low voltage systems

Conduit installation Circuit testing

Access control CCTV systems

Relay logic Blueprint reading

NEC compliance

Device configuration

Ground fault isolation

Technical communication

Equipment repair Job site safety

Customer service

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

Midwest Campus Systems 📅 March 2024 - Present 📍 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

Crossroads Building Services 📅 June 2022 - February 2024 📍 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.

LANGUAGES



MY CAREER



- Electrical Maintenance Specialist at Midwest Campus Systems (2.5 Years)
- Electrician Assistant at Crossroads Building Services (1.7 Years)
- Craft Maintenance Technician at Hoosier Property Maintenance (8 Months)

Craft Maintenance Technician

Hoosier Property Maintenance 📅 September 2021 - May 2022 📍 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 📅 2021 📍 Fort Wayne, IN

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

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

PROFESSIONAL AFFILIATIONS

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

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST