

Christopher Neal

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SUMMARY

Electronic technician with four years of hands on experience maintaining **traffic signal systems**, computerized controllers, roadside cabinets, video cameras, electrical equipment, and intelligent transportation systems devices. Performs **preventive maintenance**, field troubleshooting, **controller programming**, equipment inspections, repair feasibility assessments, and signal timing database transfers across active roadway environments. Uses laptops, tablets, testing methods, and service records to resolve hardware, software, wiring, power, communications, and programming issues. Supports engineering staff during controller configuration, construction projects, equipment acceptance inspections, and emergency callouts. Maintains parts readiness, assigned vehicles, and safe work practices. CompTIA A+ certified with a valid **Louisiana Class B Commercial Driver's License** and an Associate of Applied Science in Electronics Technology.

EXPERIENCE

Electronic Technician, Traffic Signal Systems

January 2025 - Present

Crescent Traffic Technologies

Kenner, LA

Supports municipal roadway operations through field maintenance, repair, programming, inspection, and acceptance work for traffic signal equipment. Coordinates technical issues with **engineering staff** and supports safe, reliable service during routine work and callouts.

- Maintained signal controllers, roadside cabinets, cameras, and **ITS devices** across active municipal roadways.
- Diagnosed wiring, power, communications, and programming faults through systematic electronic **troubleshooting** and documented repairs.
- Programmed controller parameters with engineering guidance and transferred approved timing data using field laptops.
- Inspected equipment for safety defects, documented condition, and assessed **repair feasibility** for follow up.
- Supported signal **construction projects** and final acceptance inspections by checking installed field equipment.
- Maintained emergency **parts inventory** and completed service checks on assigned vehicles and field equipment.

Electronics Maintenance Technician, Roadway Controls

October 2022 - December 2024

Pelican Signal & Controls

Gretna, LA

Performed bench and field maintenance for electronic and electrical assemblies used in roadway signal applications. Supported senior technicians during emergency callouts, preserved controller records, and kept repair supplies ready for dependable field response.

- Repaired power supplies, controller components, detection equipment, and electronic assemblies for roadway signals.
- Traced intermittent faults through visual inspection, component testing, cable checks, and controlled replacement.
- Completed **preventive maintenance** and recorded condition findings for **repair** and replacement planning.
- Supported senior technicians during callouts by preparing components and restoring damaged signal infrastructure.
- Maintained controller configuration files and service records for engineering review and field continuity.
- Organized electronic parts by equipment type, improving readiness for urgent failures and routine repairs.

PROJECTS

Signal Timing Database Transfer Program 📅 2024

Supported timing record continuity by transferring approved controller data with portable computers, checking file accuracy, and documenting field updates for engineering review.

Roadway Signal Acceptance Support 📅 2023

Assisted construction closeout through equipment checks, field documentation, and final inspection support for newly installed signal devices and related controls.

LEADERSHIP & AWARDS

- Recognized by field leadership for dependable emergency callout support and safe restoration of roadway signal equipment.
- Selected to support construction acceptance inspections after consistent documentation of equipment condition and repair findings.
- Trusted with parts readiness and vehicle checks that supported steady response during routine and urgent field work.

EDUCATION

Associate of Applied Science in Electronics Technology

2022

Delgado Community College GPA: 3.5

New Orleans, LA

Coursework: *Electronic circuits, digital systems, computer hardware, electrical troubleshooting*

CERTIFICATIONS

- CompTIA A+ 📅 2022
- Louisiana Class B Commercial Driver's License 📅 2023

TECHNICAL SKILLS

- **Traffic Signal Equipment:** Signal controllers, roadside cabinets, signal heads
- **ITS Devices:** Video cameras, detection equipment, transportation devices
- **Electronic Testing:** Component testing, cable checks, visual inspection
- **Electrical Systems:** Power supplies, wiring, electrical assemblies
- **Controller Programming:** Controller parameters, timing data, configuration files
- **Portable Computing:** Field laptops, tablets, portable computers
- **Maintenance Methods:** Preventive maintenance, emergency repair, field service
- **Documentation Systems:** Service records, timing records, condition findings
- **Construction Inspection:** Equipment checks, final inspections, acceptance reviews
- **Inventory Operations:** Parts inventory, truck stock, repair supplies
- **Computer Systems:** Computer hardware, computer software, system maintenance
- **Transportation Operations:** Roadway operations, signal infrastructure, vehicle service

SKILLS

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|----------------------------|------------------------------|---------------------------|---------------------------------|
| • Traffic signal systems | • Preventive maintenance | • Signal timing databases | • Acceptance inspection |
| • Computerized controllers | • Electronic repair | • Data transfer | • Parts inventory |
| • ITS devices | • Electrical troubleshooting | • Equipment inspection | • Computer hardware maintenance |
| • Video cameras | • Controller programming | • Repair feasibility | |

PROFESSIONAL AFFILIATIONS

- Traffic signal maintenance and field service operations
- Electronics technology and transportation infrastructure practice
- Engineering coordination for roadway equipment acceptance

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST