

Matias Cruz

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SUMMARY

Journeyman **Hoisting Engineer** with 8 years and 9 months of progressive experience supporting utility, roadway, excavation, paving, and civil construction work. Operates **front end loaders**, backhoes, excavators, graders, compactors, pavers, pumps, air compressors, and related **off road equipment** for trenching, backfill, grading, pipe placement, lifting, loading, and material movement. Applies disciplined pre operation inspections, fluid checks, hose and cable reviews, lubrication, oil service, and routine maintenance practices. Holds an **Illinois Class A CDL** and completed an industry sponsored Operating Hoisting Engineer apprenticeship. Works safely around active ground crews, spotters, heavy machinery, noise, dust, wet conditions, oily surfaces, and changing outdoor environments. Documents equipment condition, production activity, defects, and completed work for field leadership and maintenance teams.

EXPERIENCE

Hoisting Engineer

April 2023 - Present

Midland Civil Constructors

Joliet, IL

Supports utility and roadway construction operations as a journeyman operator, managing excavation, pipe placement, material movement, grading, and equipment readiness across active work zones.

- Operates excavators, **backhoes**, loaders, graders, and **compactors** for utility trenching and roadway preparation.
- Sets water and **sewer pipe** through controlled movements and spotter communication in constrained excavation areas.
- Inspects fluids, hoses, **cables**, tires, and attachments before startup, addressing routine wear before production.
- Loads aggregate and excavated material into trucks, then backfills and grades utility cuts for restoration.
- Runs **pumps** and **air compressors** while positioning equipment for safe access across changing site conditions.
- Documents equipment hours, completed tasks, defects, and field conditions for superintendent and maintenance review.

Operating Hoisting Engineer

June 2020 - March 2023

Fox Valley Earthworks

Elgin, IL

Performed **journey level** equipment operations for roadway reconstruction and site development, combining excavation, loading, compaction, grading, paving support, maintenance, and field reporting.

- Operated backhoes, **excavators**, loaders, compactors, **graders**, and paving support equipment on reconstruction projects.
- Excavated utility trenches to planned elevations, loaded spoil, and restored work zones through controlled backfill.
- Completed **lubrication** and oil service while checking fluids, **hoses**, cables, and moving components for wear.
- Worked safely through loud, dusty, wet, and oily conditions using required **personal protective equipment**.
- Accessed equipment cabs and handled materials approaching 100 pounds through safe team methods.
- Recorded equipment use and production activity, giving crews clear handoffs on condition and maintenance needs.

Apprentice Operating Engineer, Journey Level Operating Engineer

October 2018 - May 2020

Northern Utility Contractors

Rockford, IL

Completed an industry sponsored apprenticeship before advancing into journey level underground utility and earthwork assignments involving combination backhoes, loaders, pipe work, pumps, and compressors.

- Completed industry sponsored Operating **Hoisting Engineer** apprenticeship training and advanced into **journey level** assignments.
- Used combination backhoes for excavation, loader backfill, compaction, and **grading** during utility restoration work.
- Performed **high lift loading** by scooping aggregate and placing material into dump trucks under supervision.
- Inspected fluids, hoses, cables, controls, and attachments, escalating defects before equipment entered service.
- Supported pipe installation through controlled movements around trenches and coordinated lifts with ground personnel.
- Operated pumps and **air compressors** while maintaining concise activity logs for field supervisors.

Operating Engineer Apprentice

January 2018 - September 2018

Rockford Heavy Equipment Training Center

Rockford, IL

Completed structured heavy equipment training through controlled field exercises covering machine operation, inspection, maintenance, loading, excavation, restoration, safety, and work zone coordination.

- Practiced loader, backhoe, excavator, compactor, and grader operation during controlled field exercises.
- Used switches, levers, and foot pedals for digging, loading, backfill, compaction, and grading drills.
- Identified engine oil, coolant, hydraulic fluid, and other operating fluids during pre start inspections.
- Performed supervised lubrication and preventive maintenance tasks on hoses, cables, and serviceable components.
- Completed **high lift** exercises by scooping material and placing loads into **dump truck** targets.
- Demonstrated safe cab access, protective equipment use, work zone awareness, and clear hand signals.

PROJECTS

Combination Backhoe Skills Assessment 2020

Practiced fluid identification, excavation, loader backfill, compaction, and grading through supervised combination backhoe exercises.

Utility Pipe Placement Operations 2024

Supported water and sewer pipe placement with controlled equipment movements, spotter communication, and stable load handling.

LEADERSHIP & AWARDS

- Completed industry sponsored Operating Hoisting Engineer apprenticeship, 2020
- Advanced from apprentice assignments into journey level operating engineer work, 2020
- Selected for recurring utility and roadway equipment assignments based on dependable field performance

EDUCATION

High School Diploma

Jefferson High School GPA: 4.0

2017
Joliet, IL

Coursework: Construction safety, mechanical systems, applied mathematics, workplace communication

CERTIFICATIONS

- Illinois Class A Commercial Driver's License 2019
- Industry Sponsored Operating Hoisting Engineer Apprenticeship Completion 2020

TECHNICAL SKILLS

- Heavy Equipment: Front end loaders, backhoes, excavators
- Roadway Equipment: Graders, compactors, pavers
- Material Handling: High lifts, loading, heavy materials
- Utility Construction: Water pipe, sewer pipe, trenching
- Earthwork Operations: Excavation, backfill, grading
- Powered Equipment: Pumps, air compressors, mobile equipment
- Equipment Inspection: Fluid checks, hose checks, cable checks
- Preventive Maintenance: Oil changes, lubrication, worn parts
- Safety Equipment: Hard hats, safety footwear, hearing protection
- Construction Reporting: Work activity reports, equipment hours, field conditions
- Commercial Driving: Illinois Class A CDL, dump trucks, material transport

SKILLS

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|------------------------------|----------------|------------------------|-------------------------------|
| Hoisting Engineer Operations | Backfill | Paving Support | Work Activity Reports |
| Front End Loaders | Compaction | Fluid Checks | Personal Protective Equipment |
| Combination Backhoes | Grading | Equipment Inspection | Construction Site Safety |
| Trench Excavation | Pipe Placement | Preventive Maintenance | |

PROFESSIONAL AFFILIATIONS

- Operating Hoisting Engineer apprenticeship program participant
- Utility and roadway construction ground crew collaboration

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST