

Ishaan Pierce

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SUMMARY

Dedicated maintenance mechanic with four years of practical experience within food distribution. Committed to ensuring effective operations by performing repairs and general upkeep on tools and equipment. Proficient in HVAC, refrigeration systems, electrical, plumbing, carpentry, and machinery repairs. Focused on safety compliance, preventative maintenance, and teamwork. Experienced in maintaining detailed documentation for adherence to company protocols while minimizing downtime, thus enhancing operational efficiency and productivity.

EXPERIENCE

Maintenance Technician

University Research Lab

June 2025 - Present

Chicago, IL

Responsible for maintaining a variety of warehouse-related equipment across multiple platforms. Engaged in troubleshooting, inspections, and documentation of repairs, while fostering a safe operating environment. Collaborated closely with team members and management to streamline equipment handling practices for better performance.

- Performed routine inspections and troubleshooting of refrigeration and HVAC systems, optimizing functionality.
- Collaborated with colleagues to swiftly identify and resolve machinery issues, minimizing workflow disruptions.
- Documented all maintenance activities accurately, following internal guidelines to uphold record integrity.
- Implemented preventative maintenance schedules, extending equipment lifespan and improving reliability.
- Ensured strict compliance with safety measures during all maintenance practices for employee security.
- Trained new hires on proper equipment operation and maintenance procedures, reinforcing a culture of safety.

Capstone Project Developer

University Research Lab

January 2025 - May 2025

Chicago, IL

Led a specialized project targeting optimization of warehouse functions through advancement of equipment maintenance protocols. Developed data tracking systems and conducted comprehensive audits to improve safety and operational efficiency. Engaged industry experts for insights and validation.

- Spearheaded a project aiming to enhance warehouse operations using advanced maintenance strategies.
- Created a bespoke maintenance tracking system, ensuring transparency and accountability in repair logs.
- Conducted thorough audits of safety practices surrounding equipment use, elevating compliance standards.
- Presented results and actionable recommendations to faculty, earning recognition for thoroughness and clarity.
- Utilized AutoCAD and Excel effectively for improved planning and execution of the project.
- Engaged with professionals from relevant industries to apply best practices in safety and operational excellence.

Academic Research Assistant

University Research Lab

September 2024 - December 2024

Chicago, IL

Supported research initiatives focusing on equipment efficiency metrics to affect widespread improvement in mechanical systems. Aided in developing maintenance schedules based on empirical findings while fostering collaboration among academic peers.

- Assisted in gathering and analyzing performance data related to warehouse equipment effectiveness.
- Contributed efforts toward the development of a co-authored research publication within this niche area.
- Worked alongside faculty members formulating systematic maintenance plans driven by collected insights.
- Applied statistical software for navigating data intricacies, yielding deeper understanding of operational viability.
- Communicated consistently with team members, updating progress and aligning objectives throughout the term.
- Participated in workshops exploring safety regulations affecting equipment handling to expand foundational knowledge.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois at Chicago (2024, 2025)
- First Place, University Engineering Competition (2025)

EDUCATION

Bachelor's Degree in Mechanical Engineering

University of Illinois at Chicago

GPA: 3.9

2026

Chicago, IL

Coursework: Thermodynamics, Fluid Mechanics, Machine Design, Materials Science

CERTIFICATIONS

- OSHA Safety Certification 📅 2025
- Forklift Operation Certification 📅 2025

TECHNICAL SKILLS

- **Repair Tools:** Wrenches, Sockets, Screwdrivers
- **Preventative Maintenance Tools:** Lubricators, Diagnostic Equipment, Inspection Tools
- **Electrical Systems:** Multimeters, Circuit Analyzers, Wiring Diagrams
- **Refrigeration Equipment:** Heat Exchangers, Compressors, Condensing Units
- **HVAC Systems:** Thermostats, Air Filters, Ducting
- **Tool Safety Gear:** Safety Glasses, Gloves, Hard Hats
- **Compliance Standards:** OSHA Regulations, Safety Protocols, Industry Guidelines
- **Systems Documentation:** Maintenance Logs, Repair Records, Audit Trails
- **Technical Software:** AutoCAD, Excel, Data Analysis Software
- **Workplace Safety Procedures:** Hazard Assessments, Incident Reports, Emergency Plans

SKILLS

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|----------------------------|-------------------------------|-------------------------|------------------------|
| • Equipment Maintenance | • Documentation and Reporting | • Refrigeration Systems | • Communication Skills |
| • Troubleshooting | • Team Collaboration | • Plumbing Techniques | • Technical Knowledge |
| • Preventative Maintenance | • Electrical Systems | • Carpentry Work | • Time Management |
| • Safety Compliance | • HVAC Repair | • Machinery Practices | • Facility Operations |

PROFESSIONAL AFFILIATIONS

- Member, Engineering Club, University of Illinois at Chicago
- Volunteer, Habitat for Humanity, Chicago Chapter

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST