

Joseph Chandler

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SUMMARY

Dedicated machine operator with practical experience operating CNC machines in academic and project settings. Skilled at interpreting technical documentation while performing precise measurements using calipers and other tools. Maintained a clean, safe workspace through diligent adherence to safety protocols. Collaborated seamlessly with team members to meet production goals while ensuring the efficiency and quality of output. Strong mechanical aptitude consistently utilized during project activities to optimize machine performance. Eager to contribute craftsmanship skills to a new role within a precision parts manufacturing environment.

EDUCATION

Bachelor's Degree in Mechanical Engineering
University of Illinois at Chicago GPA: 3.7
Coursework: CNC Machining, Technical Documentation, Quality Control, Safety Protocols

2026
Chicago, IL

TECHNICAL SKILLS

- **CNC Machines:** Okuma lathe, Seiki mills, Haas machines
- **Measuring Tools:** Calipers, Micrometers, Gauges
- **Technical Software:** AutoCAD, SolidWorks, Mastercam
- **Safety Certifications:** OSHA 10, First Aid, CPR
- **Maintaining Standards:** ISO 9001, Six Sigma, Lean Manufacturing
- **Documentation Practices:** Production Logs, Inspection Records, Compliance Forms
- **Maintenance Procedures:** Routine Checks, Troubleshooting, Preventive Maintenance
- **Collaboration Tools:** Microsoft Teams, Slack, Trello
- **Project Management Methods:** Agile, Waterfall, SCRUM
- **Workplace Organization:** 5S methodology, Kanban, Visual Workplace

SKILLS

- CNC Machining
 - Technical Documentation
- Quality Assurance
 - Safety Protocols
- Team Collaboration
 - Mechanical Aptitude

EXPERIENCE

Machine Operator Intern
University Project

June 2025 - August 2025
Chicago, IL

Supported CNC machining processes in an academic environment as an intern. Engaged with engineering teams to operate advanced machinery, delivering precision components on schedule. Emphasized teamwork to troubleshoot issues swiftly as they arose.

- Operated CNC machines, including lathes and mills, to produce precision parts for a university engineering project.
- Interpreted blueprints and technical drawings, accurately determining machining requirements and specifications.
- Conducted thorough measurements and inspections using calipers and gauges to maintain strict compliance with quality standards.
- Collaborated with peers to effectively troubleshoot mechanical challenges, ensuring optimal machine performance throughout the project duration.
- Maintained detailed production logs and inspection records to track project milestones and ensure best practices.
- Executed safety protocols rigorously to maintain an organized and compliant work area.

CNC Machining Assistant
Student Lab

January 2025 - May 2025
Chicago, IL

Gained hands-on experience assisting in the operation of CNC machines in a student-led lab setting. Developed skills in teamwork and equipment handling while positively impacting production processes.

- Provided assistance in setting up and operating CNC machines for various projects in a collaborative academic environment.
- Measured and inspected finished parts consistently to uphold rigorous project specifications and quality parameters.
- Participated in routine maintenance checks, promptly reporting mechanical issues to facilitators for resolution.
- Developed familiarity using various hand tools and equipment to foster efficiency in manufacturing tasks.
- Contributed to maintaining efficient workflows by collaborating with peers and aligning efforts toward meeting deadlines.
- Documented procedural processes and outcomes for professional academic presentations and assessments.

Engineering Project Contributor

September 2024 - December 2024

Academic Research Lab

Chicago, IL

Contributed substantively to research focused on enhancing CNC machining efficiency and quality control techniques. Engaged in collaborations that drove progress and innovation in machining applications.

- Assisted in optimizing CNC machining processes for better productivity within project frameworks.
- Made contributions to hands-on learning experiences that deepened comprehension of machining techniques in laboratory settings.
- Collaborated on data compilation while diligently documenting findings relevant to machining efficiency enhancements.
- Participated actively in team discussions to strategize operational advancements and address ongoing challenges.
- Achieved a comprehensive understanding of safety practices linked to quality assurance in manufacturing settings.
- Successfully presented project outcomes developed through teamwork and individual growth during a formal review.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois at Chicago, Fall 2025
- Engineering Excellence Award for Capstone Project, 2026

CERTIFICATIONS

- OSHA 10-Hour General Industry Certification  2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association, 2024 – Present
- Participant, Annual University Hackathon, 2025

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST