

TYLER CORDEIRO

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Core Competencies

Machining & Fabrication: CNC operation (Haas, Fanuc), manual mills/lathes, grinding, turning, MIG welding, G/M code, metal casting, CAD/CAM, Mastercam, SOLIDWORKS, Onshape, 3 & 4 axis machining, ISO codes

Quality & Metrology: GD&T, blueprint interpretation, micrometers, calipers, gauge blocks, sine bars, dimensional inspection, manufacturing planning.

Safety & Compliance: OSHA 10, HAZcom GHS, GMP-style standards, secure-facility protocols

Soft Skills: Communication, team-oriented, detail oriented, hard working, completed coursework in workplace and educational psychology.

Professional Experience

ASC Engineered Solutions — Drafting Technician

June 2026-Present

- Produces precise 2D/3D engineering drawings for industrial piping components, ensuring dimensional accuracy, manufacturability, and compliance with engineering standards.

General Dynamics Electric Boat— Maintenance Technician

December 2024-February 2025

- Maintained facility cleanliness across offices, restrooms, and industrial areas. Handled waste removal including trash and recycling.
- Performed floor care: sweeping, mopping, scrubbing, and carpet extraction.
- Supported weather operations such as snow removal and flood-prevention tasks.
- Maintained outdoor areas including litter pickup and cigarette receptacle emptying.
- Followed strict safety protocols in a defense-industry environment.

High Spirit Farm — Farm Hand

May 2020 – August 2021

- Assisted disabled residents with activities of daily living.
- Operated mechanical equipment and performed daily facility and livestock care.
- Demonstrated reliability, physical stamina, and hands-on problem-solving.

Education

New England Institute of Technology — East Greenwich, RI

Associate in Mechanical Engineering Technology (In Progress)

March 2026-Present

- Awarded a competitive full-ride grant covering the entire associate degree.

Community College of Rhode Island — Warwick, RI

CNC Machining Certificate

May 2026

- Selected for the competitive CNC Machining Workforce Program.
- Relevant Coursework: CNC Machining I, OSHA training, CAD, Metalworking, GD&T, Industrial Robotics, Microeconomics

Certifications

OSHA 10 & OSHA 30 General Industry • HAZcom GHS • Lean Six Sigma White Belt •

Languages

Spanish- Limited Working Proficiency

Actively improving Spanish through coursework and immersion

French- Professional Working Proficiency

Leadership & Awards

AIST Trades Scholarship (July 2026)

- Awarded by the Association for Iron and Steel Technology for outstanding commitment to a skilled trades career in the steel industry, recognizing technical ability, hands-on proficiency, and dedication to advancing manufacturing and industrial practices.

SPARKFORCE FMA Manufacturing Scholarship (June 2026)

- Awarded a scholarship by the Fabricators and Manufacturers Association for academic achievement, initiative, and commitment to technical and professional development.

Steel Yard Providence — Welding Scholarship Recipient (July 2025)

- Earned a full-tuition scholarship for demonstrated precision and craftsmanship.
- Completed industrial coursework in MIG welding, metal casting, forging, and blacksmithing.

RISE UP Entrepreneurship Challenge — Finalist (December 2024)

- Selected as a finalist for designing a manufacturing model.
- Awarded \$5,000 toward implementation and presented a proof-of-concept to industry leaders.

Volunteering

First Tech Challenge— Field Resetter

- I volunteered as a field setter for First Tech Challenge robotics, an organization dedicated to helping students access STEM education and increasing problem solving skills through fun robotics challenges.

Polaris MEP Manufacturing Day- Tour Guide

- I volunteered at manufacturing day, a day for highschool students to explore what manufacturing has to offer in Rhode Island. Guided **100+ students** through manufacturing labs and equipment demos, promoting STEM and manufacturing careers.