David Dunlap

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Industrial engineering student | Continuous improvement, CAD, manufacturing quality, and customer service

EDUCATION AND CERTIFICATIONS

Concordia University — Mequon, WI
Industrial Engineering — *Expected Graduation: May 2028*

Gateway Technical College — Racine, WI
Welding Program / WI Certification — *2018*

Certification: AIGPE Certified Kaizen Event Specialist

PROFESSIONAL EXPERIENCE

Burlington Graphics Systems, Inc. — Racine, WI
Continuous Improvement Engineering Intern — *May 2026 - Present*

- Measured existing Demak Autochrome components and created SolidWorks models, engineering drawings, and dimensional specifications for replacement parts, equipment modifications, and spares.
- Documented standard and custom Autochrome frames for customer jobs, vacuum plates, registry pins, and axles for repurposed brake presses, providing manufacturing information for internal use and outside job-shop fabrication.
- Supported the head of Industrial Engineering's continuous improvement initiatives by creating illustrated, standardized work instructions for manufacturing processes, including Autochrome backfill setup and operation.
- Organized Excel data and supported data transfers during a company-wide Enterprise Resource Planning (ERP) system changeover.

Wisconsin Stamping and Manufacturing — Germantown, WI
Swiss Machinist Programmer / Setup Operator (Hanwha) — *March 2023 – August 2025*

- Set up and operated Swiss machining equipment; made minor program adjustments to produce parts that meet customer specifications.
- Maintained specified part dimensions and recorded inspection measurements to support quality control documentation.
- Performed blueprint-based dimensional inspections using multisensor vision measuring systems (optical CMMs) with camera-based measurement, lighting, software, and touch probes.
- Measured profiles, lengths, and angles with X-Y stage optical comparators; inspected chamfers and countersinks with dedicated gages.
- Measured surface roughness with contact profilometers and hole-to-hole spacing on large, extruded parts with large-range, center-to-center calipers and measuring pins.
- Performed routine maintenance, repaired machinery, and developed approved equipment modifications to improve operating efficiency.
- Certified forklift operator with training in safe equipment operation and material handling.

Robotic Welder (Miller) — *August 2022 - March 2023*

- Operated a robotic welding cell, loaded components, and monitored the welding process to produce quality parts aligned with customer specifications.
- Inspected welded parts for weld quality and dimensional accuracy to verify compliance with customer specifications.
- Cleaned machine components and maintained the welding cell to support reliable operation and consistent production quality.

Dunlap Lawn Service — Racine, WI / Antioch, IL
Crew Supervisor — *2021 - 2022*

- Coordinated daily crew activities and ensured completion of service objectives to support dependable lawn care for customers.
- Operated lawn maintenance equipment and supported efficient execution of daily work assignments.

PROJECT AND VOLUNTEER EXPERIENCE

Penfield Children's Center — Milwaukee, WI

- Helped build accessible toys for children with developmental disabilities to support inclusive play.
- Designed and built an easy-access activation button for children with developmental disabilities to improve toy accessibility.

Family Sharing — Grafton, WI

- Sorted, moved, and distributed food through the food pantry to support dependable service for families in need.

SKILLS

CAD and Design: SolidWorks, Autodesk Fusion 360, component modeling, dimensional documentation

Manufacturing and Quality: Swiss machining, machine setup, minor programming adjustments, robotic welding, quality control documentation, equipment maintenance, continuous improvement

Inspection and Metrology: Engineering drawing and blueprint interpretation, precision dimensional inspection, optical inspection, surface finish measurement, feature gaging

Material Handling and Safety: Certified forklift operation, safe equipment operation, material handling

Data and Software: Microsoft Excel, Word, PowerPoint, Outlook; ERP data organization and transfer; Adobe Photoshop

Collegiate Athletics: Concordia University Wisconsin: Shooting Team Member – Action and Pistol, Fall 2024