

Chelsey Louise Woods

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OBJECTIVE

Motivated Manufacturing Engineering Technician – Automation graduate seeking an opportunity to begin an Industrial Mechanic (Millwright) apprenticeship within a multi-discipline industrial environment. Equipped with hands-on training equivalent to a first-year apprentice, including experience in mechanical maintenance, machining, hydraulics, pneumatics, and automation systems. Eager to apply technical skills and safety-focused work habits in an industrial environment with long-term goals of contributing to the nuclear power industry.

EDUCATION

Ontario Secondary School Diploma

September 2017 - February 2022

Dundas Valley Secondary School - Dundas, Ontario

- Specialist High Skills Major - Manufacturing
- Canadian Mortgage & Housing Corporation and Hamilton & District Home Builders Association Award

Ontario College Diploma

September 2022 - June 2025

Mohawk College Marshall School of Skilled Trades and Apprenticeships - Stoney Creek, Ontario

Manufacturing Engineering Technician - Automation Industrial Mechanic (Millwright) - 413

(First year Industrial Mechanic)

- Completed an integrated technician–apprenticeship program combining classroom instruction and practical shop training in manufacturing automation and industrial mechanics.
- Program completion grants exemption from the in-school training portion of the Industrial Mechanic (Millwright) apprenticeship.
- Served as **Trades Representative** for *Women in Technology & Trades (WITT)*, a group that supports and empowers women and gender-diverse individuals in skilled trades and technology through mentoring, networking, and career development initiatives.
- Represented WITT at college open houses and community outreach events, including **Jill of All Trades**, promoting awareness and participation of young women in the skilled trades.

Key Training & Technical Skills Gained

- **Mechanical Maintenance & Machining:** Skilled in the operation, repair, and maintenance of industrial machinery, including lathes, milling machines, surface grinders, and metal cutting saws. Experienced in bearing and seal installation, power transmission systems, and precision alignment.
- **Fluid Power Systems:** Hands-on experience with the design, troubleshooting, and maintenance of **hydraulic and pneumatic systems**, including control valves, pumps, motors, proportional/servo controls, and fluid power circuits using ISO symbols.
- **Automation & Process Control:** Proficient in **PLC programming, ladder logic, and electrical circuit theory** for controlling automated manufacturing systems.
- **Mechanical Design & Drafting:** Competent in **AutoCAD** for 2D and 3D modeling of mechanical assemblies with proper fits, tolerances, and dimensioning to **CSA, ISO, and ANSI standards**.
- **Applied Engineering & Fabrication:** Knowledge of applied mechanics, thermodynamics, and materials strength; skilled in welding (oxy-acetylene and stick), rigging, hoisting, and fabrication processes.
- **Measurement & Quality Assurance:** Experienced with precision measuring instruments, gauges, and alignment techniques to ensure system efficiency and accuracy.
- **Safety & Preventive Maintenance:** Understanding of workplace safety standards, metallurgy, lubrication, heat treatment, and preventive/predictive maintenance programs.

EMPLOYMENT EXPERIENCE

Ground Worker

Davies Tree Service, Dundas, Ontario

April 2025 - Present

- Assisted climbing arborist with all aspects of tree maintenance, removals, pruning operations, and general arboricultural tasks.
- Support felling and dismantling operations, preparing workzones, setting up traffic and pedestrian control systems to ensure public, client, crew, and property safety around active jobsite and maintaining clear communication with climbers.
- Managed ropes, rigging systems, and lowering devices to ensure the safe handling of limbs and sections from aloft.
- Loaded, unloaded, and organized tools, machinery and materials at the job site and in company vehicles.
- Ensure a clean organized and hazard-free worksite through effective debris management and ground clearing.
- Conduct pre-use inspections and routine maintenance of tools, machinery, PPE, and rigging gear.
- Communicate effectively within a small team to complete complex tree removal of maintenance projects.
- Developed strong mechanical aptitude, situational awareness, and understanding of safety systems – skills directly transferable to an industrial setting.

Counter Staff Member

Tim Hortons, Dundas, Ontario

November 2021 - June 2022

- Utilized strong time management skills to run drive-thru, take customer orders, make all requested food and drink items, and deliver it in a timely manner.
- Exercised a strong Initiative by always being productive ,always making sure it was clean and stocked up with supplies, coffee was brewed, and food was prepared for easy convenience.
- Demonstrate strong work ethic by coming into work when someone is sick or if i was needed, and volunteering my time at the end of my shift to help during a rush.
- Provide quality service and hospitality to ensure a positive in-store experience for all.

Mechanics' Assistant

Westdale Car Service, Hamilton, Ontario

November 2020 - February 2021

- Demonstrated strong work ethic by always taking on new tasks and getting involved to the best of my ability when assisting mechanics
- Trusted to complete oil changes, tire changes, and fluid checks to automotive standards
- Coordinated vehicles to be sent in each garage as needed, as they arrived
- Exercised strong time management skills to assist mechanics, restock supplies, and clean the shop before closing

