Christopher Noce

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SKILLS AND CERTIFICATIONS

- **Skills:** Lean Manufacturing**;** Root Cause Analysis; Excel (VBA); Power BI; SolidWorks; AutoCAD; GD&T
- **Certifications:** Lean Six Sigma White Belt; AutoCAD Fundamentals; WHMIS 2015; Laboratory Safety

EXPERIENCE

Ontario Drive and Gear Ltd.   **Sep. 2025 – Dec. 2025**
Quality Engineer   *New Hamburg, ON*

- Led a thermal-process optimization for the Frontier & Aurora chassis through **20+ datalogger trials**, redesigned cure parameters, raising part cure compliance from **0% to >80%** in testing.
- Engineered data-driven oven load configurations based on part thermal mass, demonstrating a cure cycle time reduction of approximately **21 minutes per vehicle** (78:20 – 57:30).
- Built a VBA thermal analysis tool that automatically processes datalogger files to flag out-of-spec parts, calculate time above cure temperature, and generate trends for quantitative process control**.**
- Authored new work instructions and documentation to standardize the improved cure process across shifts.
- Supported **PPAP/FA** submissions and **50+ ballooned inspection drawings**, contributing to standardized inspection and production release readiness.

Linamar Corporation   **Jan. 2025 – May 2025**
Quality Assurance   *Guelph, ON*

- Led a defect reduction initiative, achieving a **100% decrease** in a recurring weld defect over multiple production days through root cause analysis and 5S corrective action implementation.
- Developed and implemented an **automated defect tracking system** in Excel using VBA, eliminating redundant manual entry and streamlining the tracking process by **50%.**
- Performed dimensional inspections on **20+ unique part types** using tools such as calipers, micrometers, and gauges to verify compliance with engineering specifications.
- Oversaw the resolution of **300+ Non-Conformance Reports**, contributing to enhanced quality control by hosting daily meetings, creating daily summaries, and managing the online NCR database.

Electrium Mobility   **Aug. 2024 – Apr. 2025**
Mechanical Team Member   *Waterloo, ON*

- Designed and prototyped **3 electric vehicle** components in **SolidWorks** while incorporating dimensional constraints and manufacturability considerations, enhancing functionality.
- Partnered with electrical and firmware teams to integrate mechanical designs with electrical systems.

LEADERSHIP & INVOLVEMENT

University of Waterloo Engineering Society   **Aug. 2024 – Present**
Director   *Waterloo, ON*

- Coordinated a consulting engineering competition, developed the problem statement, and conducted research on direct air capture technologies to create a relevant case for participants.
- Managed logistics for a faculty-wide design competition, ensuring resource allocation for **14 teams**.

EDUCATION

University of Waterloo   **Sep. 2024 – May 2029**
Candidate for BASc, Chemical Engineering   *Waterloo, ON*