

**Jinwoo Suh**  
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## EDUCATION

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Mohawk College – Hamilton, ON

Advanced Diploma, Mechanical Engineering Technology

Sept 2018 – Apr 2025

- CNC Machining Project: Designed and manufactured a precision gauge block using SolidWorks and CNC Milling; produced NC programs, drawings, and inspection reports
- Gear Box Assembly: Modeled a complete gearbox, designed shafts, gears, pinion, end caps, and housing in SolidWorks. Created full BOM and detailed drawings to ASTM standards

## SKILLS

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- CAD & Design
  - Skilled in SolidWorks and AutoCAD, with experience creating 3D assemblies, sheet metal components, and detailed 2D layouts. Tolerance stack-up, PDM workflow, FEA. Able to perform engineering calculations (dynamics, thermos, fluid, load)
- Manufacturing Support
  - BOM creation, ECO management, CNC programming, as-built updates, GD&T
- Problem solving
  - Analytical approach to design challenges; experience troubleshooting prototype builds and contractor compliance audit
- Organization & Collaboration
  - Strong time management, ability to meet tight deadlines, and effective communication with cross-functional teams
- Software & Tools
  - Epicor ERP, Microsoft Office Suite

## WORK EXPERIENCE

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Shred-Tech – Cambridge, ON

Mechanical Engineering Student (Co-op)

Jan 2024 – Aug 2024

- Updated SolidWorks drawings to align production line with internal library to eliminate inconsistencies between design documents and actual manufactured parts
- Produced and revised CAD models and drawings for truck assemblies and custom components, ensuring manufacturability and assembly accuracy
- Utilized 50+ ECOs in Epicor ERP to update CAD/BOM data and maintain cross-department access to accurate and manufacturable design updates
- Prepared complete drawing packages for the pilot truck build, enabling efficient assembly and minimizing downtime
- Collaborated with shop-floor technicians to validate fit and assembly feasibility, incorporating feedback into revised models and drawings to improve production accuracy

City of Burlington – Burlington, ON

Transportation Student (Co-op)

Sept 2024 – Dec 2024

- Conducted city-wide inspections and compliance audits for municipal lighting assets, reporting compliance issues and discrepancies to ensure corrective maintenance actions
- Processed and documented 64% more asset work orders compared to previous quarters
- Streamlined contractor reporting by developing a controlled-access Excel template, reducing data entry errors and ensuring more reliable asset records
- Updated electrical layouts for 20+ streets and prepared 4 photometric as-built drawings, maintaining accurate facility records for future maintenance planning
- Prepared technical specifications, assisted with 3budget estimates, and drafted 5 management reports to support project planning