

Zachery MacNabb

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EXPERIENCE

September 2024-Present

Draftsperson, *South Side Manufacturing*

- **Project Leadership and Collaboration:** Directed and collaborated on high-value projects worth up to \$250,000, enhancing productivity and adherence to quality standards.
- **Technical Design and Analysis:** Conducted detailed engineering calculations, including stress analysis, supporting structural integrity for complex stair and railing projects using AutoCAD and SolidWorks.
- **Client and Project Management:** Managed comprehensive project scopes from conceptual design to installation, achieving customer satisfaction and project approval in line with company quality commitments.

EDUCATION

September 2020-April 2023

Bachelor of Science in Mechanical Engineering, Lakehead University

Minor: Computer Science

September 2018-April 2020

Diploma in Mechanical Engineering Technology, Northern Alberta Institute of Technology

SKILLS

Design: AutoCAD, SolidWorks, Inventor, Ansys, LISA, Mastercam

Programming: C, C++, Python, Java, MATLAB, Arduino

Lean/Six Sigma Tools: Value Stream Mapping, Root Cause Analysis, 5S, Kaizen, DMAIC, FMEA, Gemba Walks, SIPOC, Control Charts, Pareto Analysis, PDCA, Kanban, Fishbone Diagram

MS Office: Excel, Word, PowerPoint, Outlook

CERTIFICATIONS AND AWARDS

- **Six Sigma Green Belt Certification (LinkedIn):** Certified in Six Sigma methodologies for improving processes and quality control.
- **Engineer in Training (EIT), 2023:** Certified as an engineering professional demonstrating fundamental knowledge and competencies.
- **WHMIS 2015 Certification:** Trained in workplace safety and hazardous materials management.
- **Honours with Distinction for Third and Fourth Terms, Northern Alberta Institute of Technology (NAIT):** Recognized for exceptional academic performance.