

# Zachery MacNabb

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LinkedIn: linkedin.com/in/zachery-macnabb | Profile: <https://github.com/zachmacnabb/Portfolio>

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## EXPERIENCE

September 2023-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.

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## 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

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## 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

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## 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.