



**D E S I G N
R E S E A R C H
E N G I N E E R I N G**

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Novi, Michigan 48377
Tel: (248) 668 - 3450
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LOGAN ROESER-NORDLING, M.S.M.E.
Project Engineer

PROFESSIONAL SPECIALIZATION

Project Engineer providing technical support including physical testing, data analysis, and literature review. Experience includes system and component testing, machining, experimental set up, data acquisition, 3D printing, and vehicle dynamics. Also experienced in testing and analysis of dynamic processes with simulation software.

Technical Skills: Siemens NX, Autodesk Inventor, 3D Printing, Root Cause Analysis, Lathe, E-Mill, Drill Press, Finite Element Analysis (ANSYS)

Programming Languages: MATLAB, Python, Simulink, Xcode

EDUCATION

Master of Science in Mechanical Engineering (M.S.M.E.)

Michigan State University (MSU), Honors: Cum Laude

Bachelor of Science in Mechanical Engineering (B.S.M.E.)

Michigan State University (MSU), Honors: Dean's List

Capstone Project sponsored by Alro Steel: Plasma Processing Center,
Material Handling Cart

PROFESSIONAL BACKGROUND

Design Research Engineering

Project Engineer

Jan 2026 – present

Michigan State University, East Lansing, MI

Master's Research Assistant Fellowship

Research Topic: Experimental Investigation of Electrical Damping
Effects on the Nonlinear Resonance of Piezomagnetoelastic Rotating
Beams

Jul 2025 – Dec 2025

Michigan State University, East Lansing, MI

Undergraduate and Graduate Research Assistant

Research Topic: Integrated Design and Efficient Safe Control for
Terrain-Adaptive Narrow-Body Vehicles. Sponsored by The U.S.
Army Ground Vehicle Systems Center (GVSC).

Apr 2023 – Apr 2025

MSU Forest Akers Golf Course, East Lansing, MI

Grounds Crew

Operated and managed heavy machinery for specialized golf course
landscaping and maintenance.

May 2023 – Oct 2025