

TRISTAN R. HANFORD

2118 McCormick Rd, West Lafayette IN, 47906
(630) 245-3290
thanfor@purdue.edu

PROFESSIONAL SUMMARY

A detail-oriented Mechanical Engineer with experience in automotive engineering, CAD design, and project leadership. Has a proven ability to manage projects from concept to completion, experience in turning client needs into engineered solutions, and a passion for design. Seeking full-time engineering opportunities in design, product development, or systems integration.

EDUCATION

Purdue University - West Lafayette

Bachelor's of Science - Mechanical Engineering
West Lafayette IN, 47906
08/2022 to Present

CLUBS

Purdue ASME

08/2024 - Present

DECA

08/2019 - Present

SKILLS

Vehicle Customization	7 Years
HTML & CSS	2 Years
Siemens NX	3 Years
Creo Parametric	1 Years
C++ Programming	1 Year
Python Programming	1 Year
MATLAB	2 Years
Microsoft Excel	4 Year
Trimble Sketchup	4 Years
Home & Auto Audio Wiring	6 Years
LT Spice	1 Year

EXPERIENCE

Co-Founder & Lead Engineer

05/2022 to Present

Summit Metal Products

1351 Nagel Blvd, Batavia, IL 60510

Lead Design, Assembly, and Systems Integration for High-End Classic Vehicles
Applied CAD Modeling to Produce Custom Drivetrain & Suspension Solutions
Developed Application-Specific Wiring Architecture & Controls Integration
Managed Vendor Coordination, Procurement & Client Specifications/Timelines
Executed Functional Testing and Performance & Reliability Validation
Delivered Fully Integrated Builds Meeting Modern Performance Benchmarks

Store Manager

06/2018 to 05/2021

Sweet Home Gelato

50 S Main St Suite 138, Naperville, IL 60540

Oversaw General Operations
Supervised ~15 Employees, Managed Training, Scheduling, & Performance
Oversaw Daily Cash Operations Between \$1-7k
Maintained Equipment to Ensure a Streamlined Workflow

AWARDS

Chicago Auto Show - 2nd Place

06/2022

Awarded for a fully restored 1974 Jeep CJ5,
recognized for excellence in design and
craftsmanship.

CERTIFICATIONS / LICENSES

OSHA Safety Certification

10/2023 to 10/2026

Creo User / Modeling Specialist

Anticipated Completion: 12/25