

Amir Williams

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Education

Western Michigan University
Bachelor of Science in Mechanical Engineering
GPA 3.66

Kalamazoo, MI
Expected Graduation, Fall 2027

Kalamazoo Valley Community College
30 credits to satisfy general education portion of WMU ME degree
GPA 4.0

Kalamazoo, MI
Fall 2022, Summer 2023

Work History

Process Engineer Intern
Gentex Corporation

MI, April. 2024 - Aug. 2024

- Designed, prototyped, and implemented new machine for use, using SolidWorks
- Developed CAD models, assemblies, and engineering drawings using SolidWorks
- Continuous improvement projects for team members
- Prototyped with 3D printing

Chief Engineer
Bronco Baja Racing

MI, Sept. 2023 - Present

- Lead 30-member engineering team in the design and integration of an off-road vehicle.
- Oversee chassis, suspension, drivetrain, and controls subteams to ensure technical alignment.
- Direct design reviews and enforce compliance with SAE Baja competition standards.
- Apply SolidWorks to develop CAD models, assemblies, and engineering drawings.

Master Automotive Technician
Walters Auto Service
Dennooyer Chevrolet

Kalamazoo, MI, Oct. 2020 - Oct. 2022
Kalamazoo, MI, April 2017 - Jan. 2020

- Diagnostics and repair of light duty, 4x4, and AWD vehicles
- Infotainment, driveline, traction control, HVAC, and electrical repairs and replacements
- Engine and transmission repairs and replacements
- Replacement and reprogramming of automotive modules
- General automotive maintenance and multi-point inspections

Automotive Technician
Harvard-Chevrolet-Buick-GMC

Harvard, IL, Jan. 2014 - April 2017

- Oil change with Multi-Point Vehicle Inspection
- Tire patching, replacements, and rotations
- Transmission and coolant flushes
- Fuel injection services
- Alignments and suspension work
- Brake work, rotor refinishing, rotor, and pad replacement, caliper and hose replacement