

Andrew Morhan

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Education

Henry Ford College August 2024 – Present
Associates in Electrical Engineering

Yale High School Graduated 2024
High School Diploma

Work Experience

Henry Ford College January 2025 – Present
Student Ambassador

- Gave campus tours to prospective students and families
- Collected and organized visitor information using Excel spreadsheets
- Represented the college in a professional and welcoming manner
- Answered questions about academic programs, campus life, and facilities

Planet Fitness March 2025 – August 2025
Team Member

- Provided friendly customer service at the front desk
- Maintained cleanliness of gym equipment and facilities
- Assisted members with check ins and basic inquiries
- Worked efficiently in a fast paced environment

North Star Auto August 2020 – Present
Auto Shop Assistant

- Assisted with vehicle maintenance, cleaning, and shop organization
- Used hand tools while following safety procedures
- Supported daily shop workflow and upkeep
- Demonstrated reliability through long term employment

Projects

Single-Piston Brake Caliper (SolidWorks)

Designed a single piston brake caliper using SolidWorks, focusing on mechanical fit, component alignment, and functional design principles used in automotive braking systems.

Excel Data Analysis with Python

Used Python to process and analyze Excel spreadsheet data, performing data cleaning, calculations, and basic analysis to improve accuracy and efficiency of recorded information.

Arduino Fingerprint Pill Dispenser

Developed a secure pill dispensing system using an Arduino Uno, fingerprint scanner, servo motor, and LEDs to control access and timing.