

D'Andre Williams

williams.7638@osu.edu | Columbus, OH 43201 | 513-344-9912

EDUCATION

The Ohio State University – Columbus, Ohio
B.S., Computer Engineering
Honors: Morrill Excellence Scholarship

Graduation Date: May 2025
GPA: 3.07

Qualifications

Languages: Java, JavaScript, CSS, HTML, MATLAB

Technologies/Frameworks: Express.js, Next.js, React, Spring Boot, Simulink, Stateflow, Amazon SW3

Skills: Full Stack Development, Embedded Software Development, Algorithm Analysis, Version Control, CAN, CAN bus

PROJECT EXPERIENCE

Personal Project -Music Streaming App

December 2023- Present

- Designed and developed a simple music streaming app using Spring Boot, React, and Amazon S3.
- Utilized Amazon S3 to store audio files in the cloud for high-performance streaming capabilities.
- Connected frontend and backend using RESTful API.
- Achieved the goal of allowing users to upload and stream audio files, utilizing the music player GUI for audio playback.

J.P Morgan Co. Code for Good Hackathon

November 2023

- Implemented the software development life cycle as part of a 6-person team to build a web app for nonprofit Future Ready Five
- Utilized Express API and Twilio to implement SMS Notification features.
- Created the homepage using Next.js and Tailwind CSS.
- Achieved goal of a working demo that included game features with customized provider input to access child learning statistics.

EcoCAR – Four-year collegiate automotive engineering competition

May 2023 - Present

Member of The Ohio State University Propulsion Controls and Modeling team.

- Design and build a competitive electric all-wheel drive SUV using a 2023 Cadillac Lyriq.
- Utilizing the Controller Area Network (CAN) bus protocol to enable communication between the vehicle's electric components.
- Collect and analyze data from the CAN bus using MATLAB and J1939 to optimize energy efficiency and performance.
- Modeled the iPDS and both mVECs in Simulink using Stateflow, implementing and validating control logic for system testing.

WORK EXPERIENCE

All Around Pressure Washing

January 2018 - Present

Owner, Operator & Lead Technician

Cincinnati/Columbus, OH

- Responsible for delegating responsibilities to team members and ensuring quality service and employee safety.
- Managing commercial contracts, company budget, and costs; led the company to over 30% profit margin.
- Implemented marketing strategy through Google Ads, printed media, and door-to-door, increasing sales by 20%.

Coca-Cola Consolidated

August 2018 - 2020

Logistics Operations

Cincinnati, OH

- Thrived in a fast-paced work environment while maintaining safety and quality regulations.
- Led training during the onboarding process for 20+ new hires.
- Responsible for troubleshooting technology issues and resolving errors in the company's software system.

Leadership

Future Ready Five

October 2023 - Present

- Member of the Data Oversight Council.

The Ohio State University College of Engineering PREFACE Bridge Program

August 2023

- Volunteer teaching assistant for CSE/CIS project-based learning.

Ubuntu Leadership Institute

June 2023

- Mentor for OSU on-campus experience for 9th-12th grade African American males.