

Dylan C. Montgomery
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OBJECTIVE

- Obtain a challenging internship that provide real world experience with user and data software and problem solving and optimization

EDUCATION

The University of Akron | Akron, OH

Anticipated graduation May 2025

- Bachelor of Computer Engineering with a minor in Math 3.2 GPA
- Williams Honor College Designation, with the Honors, Akron Guarantee, and Affordability Scholarships

Hudson High School | Hudson, Ohio

August 2016- May 2021

- Graduated with Honors May 2021, 3.8 GPA
- NHS, Student Government, and Captain of Swim and Dive team, and Founding Member of First Robotics Team; placing top ten at regionals the first year.

WORK EXPERIENCE

Electrical System Engineer

May 2023-September 2023

Stanley Black & Decker | Valley City, OH

- Designed and Built Can Bus Network for Landscaping Machinery
- Programmed Lithium-Ion Battery Integrated Circuits and Infield Integrated Systems Debugging
- Analyzed and Reported on Sensor Module Data for Unit Prototypes
- Conducted Electromagnetic Emissions & Interference Testing to Produce Analysis Reports

Caddy/ Bag Boy

April 2018-Present

Lake Forrest Country Club | Hudson, OH

- Increased Member Recommendation Referral Applications to Join
- Developed Social Networking Skills and Business Etiquette
- Gained first hand experience with POS applications and software

LEADERSHIP AND INVOLVEMENT

Big as a part of the Big Brother Big Sister

February 2022- Present

Zips Electric Racing

January 2022-May 2023

- Drive Train and ECU Team for the Electric Racing Car

Emerging Leaders Program

August 2021-May 2023

Applied and accepted into EL Akron Leadership Learning Community

Resident Hall Government, Emerging Leaders Learning Community

August 2021-May2022

Elected Representative of Williams Honors College Hall Gov

Engineering College Council

August 2021-May 2022

DESIGN PROJECTS

Device Modularization Control Gate Deck

October 2022-Present

- Designed and built a Control deck from scratch that acts as an intermediary read write device.
- Demonstrates an alternative approach to HID and kernel device communication standards.
- Emphasizes modularization of tasks for adaptable software interfaces

Hardware Interface and Static Website Containerization

September 2022-Present

- Creates Base Image Layer in JavaScript or C++ for applications or static website design.
- Utilizes a P2P verification ledger and rudimentary elements for dynamic data abstraction support.

TECHNICAL SKILLS

Proficient in HTML, JavaScript (JS), C++, Embedded C, LabVIEW, CAD, Altium, CAN-king, and Neural Network and Machine Learning Training and Utilization Architecture