

Matthew Christopher Dudek

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Education

University of Akron, Akron, OH

B.S. in Computer Science, May 2023 expected

3.3 GPA

High School Diploma – 4.1 GPA

Work Experience

LTA, Software Engineer

Dec '19 – present

- Developed drivers for RGB LEDs and DSHOT ESCs.
- Developed solutions for processing testing data
- Designed Library to interface with a DAQ for I/O monitoring/commanding.
- Designed and built a system to automate hardware testing
- Conducted research on Computer Vision and presented findings.
- Assembled custom PCB's using soldering and reflow.
- Translated firmware documentation to create unit tests for hardware.

Classic Vacuum, Technician

Dec '18 – Aug '19

- Troubleshooted and Repaired vacuum cleaners
- Collaborated with other co-workers on difficult/extensive repairs
- Managed online product listings and shipping

Computer Expertise

Languages: C, C++Python, C, Java, SQL.

Key Areas: Embedded Software, Automated Testing

Technologies: Visual Studio, STM32CubeIDE, UNIX, Jenkins, RobotFramework, Altium, Codebeamer

Awards and Certificates

Summe Cum Laude, Jackson High School, May 2019

University of Akron Honors Inductee, August 2019