

# Matthew Christopher Dudek

5900 Shakertown Dr NW, Apt A4  
Canton OH 44718

330-415-5279  
ddudeks@gmail.com

## 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