**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