

# MATTHEW DIM

## Computer Science

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Reston, Virginia

MDim0330

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## SKILLS

Java

Python

C/C++

CSS/HTML

Ruby

MatLab

Solidworks

Microsoft Office

## LEARNING

AI

Computer Systems

Data Structures

Algorithms

Calculus

Lin Algebra

Differential Equations

Discrete Structures

Engineering Design

Robotics

Chemistry

Modern Physics

## HOBBIES

- Debate Team
  - Wyoming Tournament Novice Champion
  - Rutgers 3rd Place Speaker Award
- Cycling Team

## REFERENCES

References provided upon inquiry

## ABOUT ME

*Enthusiastic Computer Science Student eager to contribute to a technology related project. Motivated to learn, grow and excel in a hardware or software related industry.*

## EXPERIENCE

### Business Intern | FBLA - National Office

08 2018 - 06 2019

Reston, Virginia

- Manipulated and sorted through data containing 500+ items
- Assisted with website operation
- Facilitated communication between various chapters

## EDUCATION

### Bachelor of Science: Computer Science | James Madison University

08 2019 - Current

Harrisonburg, Virginia

- GPA: 3.49
- Minor in Mathematics
- Minor in Robotics

## RESEARCH

### Autonomous Vehicle - JACart | |

01 2022 - Current

- Robotics Operating System (ROS) Team Lead
  - Assist with Electronic/UI Team
- Goals: Improve upon the collision avoidance of the vehicle

## PROJECTS

### Buoy Project | |

08 2020 - 05 2021

- Advised by Northrop Grumann
- Communication Team Member
  - Worked on integrating Raspberry Pi, Lowra, and Sensors
  - System achieved autonomous state

### FitBit Project - Step Counter | |

09 2021 - Current

- Using micro-processor, acceleration sensor, and radio integrated system using a self-developed foot-step algorithm
- Accurate up to 5 percent currently

