MATTHEW DIM

Computer Science

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(571) 455-6075

Reston, Virginia

in MDim0330

MDim0330

SKILLS

C/C++ Java | Python |

CSS/HTML Ruby | MatLab

Solidworks Microsoft Office

Nine Ten

LEARNING

Al | Computer Systems

Algorithms Data Structures

Calculus | Lin Algebra

Differential Equations

Discrete Structures

Engineering Design

Robotics

Chemistry | Modern Physics

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

iii 08 2019 - Current

Harrisonburg, Virginia

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

HOBBIES

- Debate Team
 - Wymoning Tournament **Novice Champion**
 - Rutdgers 3rd Place Speaker Award
- Cycling Team

RESEARCH

Autonomous Vehicle - JACart | 🜎 | 🌐





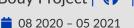
- iii 01 2022 Current
- Robotics Operating System (ROS) Team Lead
 - Assist with Electronic/UI Team
- Goals: Improve upon the collision avoidance of the vehicle

REFERENCES

References provided upon inquiry

PROJECTS

Bouy Project | 😯 | 🏶



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

FitBit Project - Step Counter | 😽 | 🌐





iii 09 2021 - Current

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