MATTHEW DIM

Computer Science

@ matthewdim30@gmail.com   📞 (571) 455-6075   📍 Reston, Virginia

in MDim0330   ⭘ MDim0330

SKILLS

Java | C/C++ | Python | CSS/HTML | Ruby | Vim | MatLab | Solidworks | Microsoft Office

LEARNING

AI | Computer Systems | Data Structures | Algorithms | Calculus | Lin Algebra | Differential Equations | Discrete Structures

Machine Learning | Chemistry | Robotics | Engineering Design

HOBBIES

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

Cycling
- First Century 1 Year Ago

REFERENCES

References provided upon inquiry

SCAN ME

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

Software Engineer Intern | Sedna Digital Solutions

📅 06 2022 – 08 2022   📍 Manassas, Virginia

- Created tools for the conversion of C library into other programming languages using WSDL and Protobuf
- Facilitated integration of Java tools with C programs using reflections

Business Intern | FBLA - National Office

📅 08 2018 – 06 2019   📍 Reston, Virginia

- Manipulated and sorted through large data sets
- Assisted with website operation

EDUCATION

Bachelor of Science: Computer Science | James Madison University

📅 08 2019 – Current   📍 Harrisonburg, Virginia

- GPA: 3.55
- 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