Nathaniel Wert

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Linkedin **Portfolio**

Education

Georgia Institute of Technology - Computer Science **Atlanta, GA**
August 2021 - Current **GPA: 4.0**
- Candidate for Bachelor of Science in Computer Science
- Intelligence and Devices Concentrations

Governor Mifflin Senior High School **Reading, PA**

Projects

InForMeal - Crowdsourcing App for Georgia Tech's Dining Halls - https://github.com/JamesEConnor/InForMeal
Backend Web Developer - HackGT 8
- Developed an application using the Georgia Tech Dining API
- Implemented a derivative of the weighted majority expert systems algorithm to better evaluate crowdsourced data
- Placed 1st in the NSA Zero Trust Challenge

To The Stars - Space Exploration Video Game - https://lunarlessstudios.itch.io/to-the-stars
Solo Game Designer, Programmer, Art Director, and Music Director - Space Jam 1
- Built a video game from scratch using C# and the Unity Game Engine
- Completed the entire project within a strict deadline of 7 days

LEA (Law Enforcement Assistant) - Police Assistance Robot - https://github.com/Roboticop (Mk 1.0)
Hardware and Software Lead - PA Governor's STEM Competition (Mk 1.0)
- Led the development of a robot aimed at assisting law enforcement officials with the administration of routine traffic stops
- Oversaw the hardware and software design teams
- Presented the idea and pre-MVP to a panel of Pennsylvania education department appointed judges

Robocup (Robojackets) - Robot Soccer Small Size League - https://github.com/RoboJackets/robocup-software
Programmer / Software Team Member - Offensive Ball Coordination
- Led the development of an offensive role to control the actions of the robot with possession of the ball

Skills

Programming: Python (Django, Pytorch, ROS2), C# (Monodevelop), Swift (SwiftUI), C/C++ (ROS2), Java, GDscript
Frameworks & Tools: Django, Git, Github, ROS2 (Foxy), Unity, Django, SwiftUI, Pytorch, Godot, Blender, AutoCAD, Fusion 360

Activities & Leadership

Affiliations: Robotics Club- *Software Team Member*, AI Club - *Member*, Startup Exchange: *Member*