Isaac Watts

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EDUCATION

Bachelor's in Mathematics and Computer Science   Expected May 2025
Virginia State University; 3.9 GPA
Associate's in General Studies
John Tyler Community College; 4.0 GPA (Summa Cum Laude)

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, Java, C#, JavaScript
- **Databases:** SQL
- **Frameworks:** ROS (Robot Operating System)
- **Version Control:** Git/GitHub
- **Software:** Docker, Visual Studio Code, VIM

WORK EXPERIENCE

Student Tutor (September 2023 - Current)   Petersburg, VA
Tutor for the computer science department at Virginia State University
- Assisted students in Python or Java
- Assisted students in Calculus and Differential Equations
- Assisted students with completing homework assignments and learning new topics

Student Researcher at Army Research Lab for Robotics (Summer 2023)   Adelphi, MD
Skills Used: Robot Operating System (ROS), C++ (roscpp), Python(rospy)
Projects:
- Created a Python automation script that wrote Robot Visualization files for multi-robot experiments
- Wrote an Ouster Image to convert an 8-bit image to a 16-bit image
- Obtained a Security Clearance

HACKATHONS

NAVSEA AI/ML Challenge
- Defending Navy ships from missiles from airborne threats using AI/ML in order to control the Navy ship's missiles to shoot their missiles down using the JCORE game simulator.
- The VSU team used AI/ML to protect two ships, a galleon, and a High Value unit galleon; each has two missiles' systems, a high and a low-speed one.
- Skill: Anaconda Python, JCORE game simulator, AI/ML.

PROJECTS

Discord Bot
- Used discord.js to code a discord bot that DMs people if someone joins a Voice Channel.

Honors/Extra Curriculars

VSU Honors College Scholar, VSU Coding Club, Game Development Club, Trojan Tech Defenders (Cybersecurity Club)