Isaac Watts

Mobile: 804-721-2007 Email: Isaac.s.watts@gmail.com

GitHub: https://github.com/IwattsX

LinkedIn: https://www.linkedin.com/in/isaac-watts-605105251

EDUCATION:

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

TECHNICAL SKILLS:

- o **Programming Languages:** C++, Python, C#, Java, and JavaScript
- o **Frameworks:** ROS (Robot Operating System), ROS2, MySQL, Django, and Docker
- o **Version Control:** Git/GitHub

WORK EXPERIENCE:

Robotics Student Researcher at the Army Research Lab (Summer 2023 and 2024)
Adelphi, MD
- o Made an AI agent learn to re-establish radio communications by using observations from Unity to learn policies via reinforcement learning.
- o Wrote an Ouster Image to convert an 8-bit image to a 16-bit image.
- o Created a Python automation script that wrote Robot Visualization files for multi-robot experiments.

Student Tutor (September 2023, May 2024)   **Petersburg, VA**
- o Tutor for the computer science department at VSU for Java, Python, and C++

PROJECTS:

Steam Scouts
- o Used Django to write a web application to make it easier to search video games on steam with their Web API and placing it in a MySQL database for a search engine.