**Isaac Watts**

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**GitHub:** [**https://github.com/IwattsX**](https://github.com/IwattsX)

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**EDUCATION:**

* Bachelor’s in Computer Science and Mathematics

Virginia State University; 3.9 GPA

* Associate’s in General Studies

John Tyler Community College (Brightpoint); 4.0 GPA (Summa Cum Laude)

**TECHNICAL SKILLS:**

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

**WORK EXPERIENCE:**

**Robotics Student Researcher at the Army Research Lab (Summer 2023 and 2024) Adelphi, MD**

* + Made an AI agent learn to re-establish radio communications by using observations from Unity to learn policies via reinforcement learning.
  + Wrote an Ouster Image to convert an 8-bit image to a 16-bit image.
  + Created a Python automation script that wrote Robot Visualization files for multi-robot experiments.

**Student Tutor (September 2023, May 2024) Petersburg, VA**

* + Tutor for the computer science department at VSU for Java, Python, and C++

**PROJECTS:**

**Steam Scouts**

* + 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.