

# Micah Wallace

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Computer Science graduate with hands-on experience in Python automation, machine learning research, and large-scale data processing, who is seeking a dynamic career opportunity. Strong foundation in secure software practices, cloud-based workflows, and DevOps-aligned research environments. Excellent oral and written communication skills

## Education

**Morgan State University** | December 2025

B.S. in Computer Science

*Relevant Coursework: Database Design, Machine Learning, Algorithm & Design*

## Work Experience

**Four Seasons Hotel** (Baltimore, MD)

Coordinator | August 2022 - June 2025

- Maintained accuracy and reliability in fast-paced, high-stakes service workflows.
- Identified and resolved operational issues proactively, demonstrating attention to detail and problem-solving under pressure.
- Communicated efficiently with multiple departments to ensure service quality and issue resolutions.

**Translational Artificial Intelligence Center - TrAC** (Ames, IA)

Artificial Intelligence Research Intern | June 2024 - August 2024

- Executed manual and exploratory testing of machine learning workflows for 3D shape reconstruction.
- Deployed and managed multi-GPU training workflows, demonstrating exposure to cloud and high-performance computing deployment concepts.
- Identified performance bottlenecks and documented reproducible steps for defect resolution.
- Validated large-scale datasets (500K–2M points) to ensure correctness, performance, and consistency.

**NASA Goddard via GESTAR II** (Greenbelt, MD)

Ocean Ecology Lab Fellow | June 2023 - May 2024

- Developed and maintained Python-based data pipelines to analyze large-scale infrared satellite datasets (VIIRS).
- Performed functional and regression-style validation of Python-based data pipelines processing satellite sensor data.
- Automated preprocessing and validation steps to ensure data integrity and reproducibility across experiments.
- Presented validated results at the 2024 American Meteorological Society Conference.

## Skills

**Programming Languages:** Python (Pandas, Scikit-learn, Matplotlib, sys), C++, SQL, CSS, Bash, HTML

**ML Tooling:** TensorFlow, NumPy, Xarray, Git

## Publications

- Presented poster *Can Neural Networks Learn to See Airborne Dust and Sand in Thermal Satellite Imagery?* at the 104th American Meteorological Society (AMS) Annual Meeting as co-author.
- Presented poster *Topologically Consistent 3D Neural Reconstructions for Agriculture* at the Iowa State University Summer Symposium as co-author.

**GitHub Profile:** <https://github.com/mwallace5270>