Jaye Norman (he/they)

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Prospective Masters student with proven ability to **work collaboratively** and independently, **communicate** effectively, **adapt and learn** efficiently, and **deliver quality results** within constraints. Interests include **data analysis**, **computational modeling,** and **atmospheric dynamics.**

Education:

North Carolina State University, Raleigh, NC   *August 2023 - Present*
B.S., Meteorology | Minor, Computer Programming   Expected May 2026
GPA 4.0/4.0

Relevant Coursework:

- Atmospheric Thermodynamics
- Introduction to Atmospheric Sciences
- Mathematics Methods in Atmospheric Sciences
- Introduction to Meteorological Remote Sensing
- Atmospheric Dynamics I & II
- Fundamentals of Air Quality and Climate Change
- Atmospheric Physics
- Communication in Science and Research
- Software Development Fundamentals
- Introduction to Computing - Java
- Introduction to Computing Environments

Relevant Skills:

- Knowledge of object oriented and procedural programming
- Experience in Python, Java, and MatLab programming languages
- Experience in Microsoft Office, PuTTY, GitHub, IDEs, WinSCP, and UNIX
- Experience in data analysis tools including Microsoft Excel, MatLab, and NOAA WCT
- Effectiveness in self-teaching and guided learning of new concepts
- Passion for meteorological and computer science concepts and applications
- Skill in collaboration to design ideas and advance projects

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Work Experience:

Unidata Student Intern   *May 2025 - Present*
UCAR Community Programs Earth and Observation and Data Services Center
- Acted as a python developer, including honing skills of conda environments, git and version control, collaborative development, and development of open source software

- Benchmarked the MetPy meteorology visualization and calculation software using the open source Airspeed Velocity package in conjunction with CI/CD managers (GitHub Actions, Jenkins) and containerization (Docker)

Independent Animal Husbandry Provider   *August 2021 - October 2024*
Equine, Canine, Feline, and Poultry Care
- Independently managed the operation of facilities for up to 50 animals of various species, breeds, and conditions, including but not limited to feeding, sanitization, acute veterinary care, and appropriate enrichment.
- Effectively communicated as a part of animals' care teams and used critical thinking and organization to solve issues and resolve conflicts.
- Acquired and maintained up-to-date knowledge on state and national standards for veterinary care, sanitization, and humane practices.

Campus Involvement:
- oSTEM (Out in STEM) via LBGTQ Pride Center   *March 2024 - Present*
- American Meteorological Society   *August 2024 - Present*
- NCSU Sounding Club   *August 2024 - Present*

Poster Presentations:
1. "Measuring Urban Carbon Dioxide Emissions By Satellite Sensing: A Review", **Norman, J.** 13th Naval Academy Science and Engineering Conference   *November 2024*

Honors and Awards
- Marv and Mary V. Dickerson Scholarship   *May 2023, May 2024*
- Davie County Community Scholarship   *May 2025*
- University Honors Program   *August 2023 - Present*
- Marine, Earth, and Atmospheric Sciences Honors Program   *August 2024 - Present*
- UHP Experiential Grant, *105th AMS Annual Meeting*   *October 2024*
- Semester Dean's List   *December 2023, May 2024, December 2024, May 2025*