

Caroline B. McMahon

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EDUCATION

Wake Forest University

May 2026

Bachelor of Science in Computer Science; Minors in Mathematics and Studio Art

GPA: 3.56; Dean's List Spring 2023-Present

The Ethics of Data and Artificial Intelligence Course

Summer 2023

The London School of Economics and Political Science, London, England

- Explored ethical, societal, and economic implications of AI systems and big data development.

CEA CAPA Semester Abroad

Fall 2024

Accademia d'Arte Florence, Italy

- Studied global cities, Renaissance art, and hands-on artistic techniques through coursework in composition drawing, oil painting, and art history; participated in final student art show featuring four of my pieces

WORK EXPERIENCE

AI Digital Technology Intern, GE Aerospace, Cincinnati, OH

June 2025-Present

- Developed and enhanced an internal Streamlit application for GE Aerospace's long-range forecasting project, predicting engine utilization on aircrafts over the next 20 years using time series modeling
- Improved application latency dramatically, added advanced features such as file deletion, data filtering, and average departures visualization, and built interactive data visualizations comparing actual vs. predicted outputs to support model validation and stakeholder confidence
- Collaborated to integrate an LLM-powered chatbot trained on forecast data and embedded within the app for contextual Q&A to support the internal marketing team
- Used Python, Pandas, and Streamlit, deploying via Posit Connect and using Git for version control.
- Organized and led a team-wide summer pickleball event, coordinating off-site logistics and increasing team engagement across the Data Science and Analytics division

Sales and Marketing Intern, Aflac, Washington, DC

May 2024-August 2024

- Collaborated with a mentor and team of interns to schedule meetings, bringing in new clients
- Presented products to business owners, effectively communicating value and securing partnerships
- Facilitated employee enrollment in diverse benefit plans, ensuring comprehensive understanding and satisfaction among stakeholders
- Utilized CRM tools and data analytics to track client interactions and optimize sales strategies

COMPUTER SKILLS

- **Languages & Tools:** Python, Java, C, SQL, HTML, Git, Streamlit, Bash, AWS, Pandas, NumPy, Excel
- **Frameworks/Concepts:** Object-Oriented Programming, Time Series Modeling, LLM Integration

LEADERSHIP AND INVOLVEMENT

Women in Computer Science Club

Fall 2022-Present

- Engage in peer mentorship and leadership development for women in tech

Chi Omega Fraternity, Recruitment Team

Fall 2023-Present

- Increased retention during recruitment team to highest of the chapter since the 1980's through strategic team matching