

Samantha Taylormoore

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EDUCATION

Davidson College

Davidson, NC

Intended Bachelor of Science in Computer Science, Intended Economics Minor

May 2027

- GPA: 3.96
- Relevant coursework: AP Computer Science A, Data Structures (CSC 221), Discrete Structures (CSC 220), Economics 101

EXPERIENCE

Data Machines

Reston, VA

Full-Time Intern

May 2024 - August 2024

- Collaborated with the Director of AWS Cloud Engagements and Senior Software Engineer on a personal project analyzing the time series data of device pings using Python.
- Utilized Python libraries (Pandas, PySpark, Folium, Shapely) and Nominatim software to reverse geocode and process millions of device pings, focusing on coordinates and timestamps.
- Developed Python code to predict home and workplace locations for device users, published the results on GitHub.

Westwood Country Club

Vienna, VA

Swim Coach

May 2022 - July 2022, May 2023 - July 2023

- Planned and executed swim practices for swimmers between ages 6 - 12.
- Personally tasked with running the team social media accounts, including Facebook and Instagram, effectively increasing team visibility.
- Coordinated team activities and scheduled private lessons, fostering individualized skill development.

Data Machines

Ashburn, VA

Part-Time Intern

June 2022 - August 2022

- Collaborated with software engineers and data scientists to analyze geospatial data files.
- Published a project involving in-depth analysis of geospatial data, gaining exposure to complex syntax and software development.

Inspirit AI

Virtual

Scholar Program Participant

June 2022 - August 2022

- Participated in Inspirit AI's summer scholars program, instructed by Stanford and MIT Graduate students.
- Gained AI and machine learning fundamentals, completed a project predicting a defendant's likelihood of recidivism using AI and COMPAS datasets.

CAMPUS INVOLVEMENT

Girls in STEM

Davidson, NC

Active Member

Fall 2023 - Present

- Assist in conducting engaging science experiments for 4th and 5th grade girls at Mooresville Intermediate School, aiming to inspire young girls and bridge the gender gap in STEM fields.
- Lead and execute weekly science experiments, including forensic science experiments with fingerprint testing, chemical reaction experiments, and plant science experiments.

Women's Club Soccer

Davidson, NC

Active Member

Fall 2023 - Present

- Attend practice twice a week, demonstrating commitment and encouraging participation among peers.
- Assist in organizing team events, such as games with teams in Davidson's intramural league and partnerships with other club teams on campus.

SKILLS

- Programming Languages: Java, Python (Proficient)
- Data Analysis
- Leadership and Team Management
- Project Management and Initiative