

Julia D. Gebretatiyos

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OBJECTIVE

Data analyst and recent UMBC graduate with dual degrees in Computer Science and Financial Economics, experienced in turning public records and multi-source datasets into clear, data-driven stories. Skilled in gathering, cleaning, and interpreting complex government data (Census, HUD, Federal Reserve) using Excel, SQL, and Python, and in presenting findings through Tableau and Power BI visualizations and structured written reports for non-technical audiences. Seeking to apply data analysis and narrative storytelling skills to original, enterprise data journalism at Law360.

EDUCATION

B.S. Computer Science (Data Science track) & B.S. Financial Economics *UMBC, Catonsville, MD | May 2026*

Minor: Africana Studies

Quantitative Finance Bootcamp — Professional Development

Jan 2026 – Apr 2026

SKILLS

Data Analysis Tools: Excel, SQL, Python, Statistical Analysis, Data Cleaning, Data Validation, Trend Analysis

Public Records & Government Data: U.S. Census Bureau API, HUD housing datasets, FRED economic data, multi-source data integration

Visualization & Storytelling: Tableau, Power BI, Dashboard Development, Data Visualization, Policy-Style Report Writing

Tools & Platforms: REST APIs, SQLite, SQL Server, Git, GitHub, AWS, DynamoDB

Professional Skills: Research, Written and Verbal Communication, Narrative Storytelling, Cross-functional Collaboration, Critical Thinking, Attention to Detail

Languages: Fluent in English and Amharic

PROJECTS

Housing Affordability and Policy Analysis

Aug 2025 – Oct 2025

- Researched and developed an original, data-driven analysis of regional housing affordability built entirely from public records, gathering and merging U.S. Census Bureau (API) and HUD datasets using Python and SQL.
- Cleaned and organized large, messy multi-source datasets, resolving inconsistent geographies, missing values, and definitional mismatches across sources to produce a reliable analysis-ready dataset.
- Analyzed cost burden, rent-to-income ratios, and demographic patterns to identify trends in housing accessibility, and built interactive Tableau dashboards to visualize the findings.
- Authored a structured, policy-style report translating the analysis into a clear narrative with data-backed recommendations for non-technical decision-makers.

Economic Indicators Dashboard

2025

- Built an end-to-end pipeline collecting public economic data from the Federal Reserve (FRED API) into SQLite using Python, tracking indicators such as inflation, unemployment, and interest rates over time.
- Produced Matplotlib and Plotly visualizations that turn complex macroeconomic series into accessible visual narratives of economic trends.
- Documented data sources, definitions, and methodology to make the analysis transparent and reproducible (GitHub).

SQL Server Database Administration Lab

Jan 2025 – Mar 2025

- Designed and configured a relational database in SQL Server, creating tables, keys, constraints, indexes, and user access permissions; published full build as a 12-file GitHub repository.
- Monitored performance and analyzed query execution plans, improving SQL efficiency through indexing and query optimization.

EXPERIENCE

Data Analyst | SOJUNADAT (Volunteer)

Remote | Jul 2024 – Mar 2026

- Collected, cleaned, and analyzed organizational data using Excel, SQL, and Python to identify trends and support data-driven decision-making across teams.
- Developed interactive Power BI dashboards and written reports that communicated insights clearly to non-technical stakeholders across departments.
- Performed data validation and quality assurance, identifying and resolving missing, duplicate, and inconsistent records to improve the accuracy and reliability of reporting datasets.

Student IT Associate (Part-Time) | UMBC CHASS-IT*Catonsville, MD | Mar 2023 – May 2026*

- Tracked and resolved 10+ weekly support cases, maintaining detailed, structured documentation of issues and outcomes.
- Communicated findings and solutions clearly to 50+ non-technical users, translating complex technical information into accessible language.

Full-Stack Development Intern (Remote) | A Round Entertainment*South Korea | May 2024 – Jul 2024*

- Developed and tested application features in a collaborative Agile environment, identifying and resolving data integrity issues through systematic review of inputs and outputs.
- Delivered projects on schedule within a fully remote, cross-timezone team, demonstrating strong self-direction and asynchronous communication.

Global Ambassador | UMBC Intl. Students & Scholars Office*Catonsville, MD | Jul 2024 – May 2026*

- Assisted 50+ international students with onboarding, registration, and campus transition, coordinating across departments to ensure accurate and timely support.
- Built strong interpersonal relationships through adaptable communication and problem-solving across diverse cultural backgrounds.

Financial Service Intern | Northwestern Mutual*Silver Spring, MD | Jun 2022 – Jul 2022*

- Analyzed client financial data, including portfolio performance, market trends, and risk exposure, synthesizing findings into clear written reports for advisor review.

LEADERSHIP & ACTIVITIES

Treasurer | STARS Computing Corps, UMBC*Catonsville, MD | May 2025 – May 2026*

- Managed organizational budgets, tracked expenditures, and prepared financial reports for leadership.

Treasurer | Community Council, UMBC*Catonsville, MD | Sep 2023 – Mar 2024*

- Maintained accurate financial records and coordinated event logistics with strong attention to detail.

SGA First-Year Ambassador | UMBC Student Government*Catonsville, MD | Feb 2023 – May 2023*

- Served as a liaison between first-year students and campus leadership, supporting cross-functional coordination and student advocacy.