

AYOTUNDE EJIKO

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MARKETS ANALYST CANDIDATE • DATA & RISK ANALYSIS • PYTHON • SQL • TABLEAU • EXCEL

EDUCATION

Cornell University, Ithaca, NY *Expected May 2028*

Bachelor of Science, Information Science (Economics Concentration) | GPA: 3.92

Relevant Coursework: Data Science, Machine Learning, Statistical Analysis, Database Systems, Human-Computer Interaction

TECHNICAL SKILLS

Markets & Finance: Market trend analysis, risk monitoring, time-series modeling, policy impact analysis, volatility patterns, client-facing analytics

Programming & Analysis: Python (pandas, numpy, matplotlib, seaborn), SQL, R, statistical modeling, regression analysis, difference-in-differences

Data Visualization & BI: Tableau, Excel (advanced formulas, pivot tables, Power Query), Jupyter notebooks, dashboards, KPI tracking

Data Engineering: ETL workflows, data pipelines, API data collection, data validation, anomaly detection

MARKETS-RELEVANT EXPERIENCE

Education Data & Innovation Intern *May 2025 - Aug 2025*

DC Public Schools (DCPS) Central Office - Washington, DC

- Conducted time-series and subgroup analysis on 10,000+ survey responses to identify risk indicators and trend inflection points, informing \$MM+ resource allocation decisions
- Built interactive Tableau dashboards monitoring attendance patterns, climate indicators, and early-warning signals for district leadership, translating complex data into actionable insights for executive stakeholders
- Applied statistical tests and regression modeling to surface subgroup disparities across demographic cohorts, driving strategic program design and resource prioritization

Smart Hive Tech & Data Intern *Jun 2025 - Aug 2025*

Capitol Bee Care LLC - Washington, DC

- Deployed IoT sensor data pipeline integrating real-time temperature/humidity readings with automated data validation and anomaly detection workflows, reducing troubleshooting time by ~20%
- Built repeatable monitoring dashboards across 5+ active deployments with threshold alerting and continuity checks, improving data reliability and operational decision-making

Advisory Committee Member (Research & Data Focus) *Jun 2025 - Present*

DC Education Research Collaborative (Urban Institute) - Washington, DC

- Advise on translating education research findings into data-driven recommendations for district stakeholders; provide student perspective on equity analysis frameworks and community-facing data communication

DATA PROJECTS & CASE STUDIES

Arrest Trends & Policy Impact Analysis (NYC, DC, LA, 2000-2024)

- Analyzed 24+ years of arrest data across three cities using time-series analysis and difference-in-differences to quantify reform impacts (marijuana legalization, stop-and-frisk policy changes)
- Applied regression modeling to isolate policy-driven shocks and seasonal volatility patterns; created compelling visualizations showing monthly arrest trends, reform inflection points, and persistent disparities

Smart Hive IoT Monitoring System

- Designed end-to-end data pipeline integrating sensor readings, camera observations, and field notes into unified monitoring dashboard with threshold alerting and anomaly detection
- Standardized data logging protocols and built repeatable analysis workflows for field decision-making, improving data reliability across multiple deployments

ADDITIONAL SKILLS

Data Storytelling: Translating complex analysis into clear narratives for senior stakeholders; executive presentation skills

Research Methods: Survey design and analysis, A/B testing principles, experimental design, policy evaluation

AWARDS & RECOGNITION

Capital One Case Competition Winner (BILBCon 2024) | National Merit Scholarship Semifinalist (2023) | AFCEA DC STEM Scholar | Boeing STEM Signing Day Honoree (2024) | Cornell Division I Student-Athlete