

AYOTUNDE EJIKO

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EDUCATION

Cornell University, Ithaca, NY

Expected May 2028

Bachelor of Science, Information Science (Economics Concentration) | GPA: 3.92 | Division I Sprinter, Track & Field

Relevant Coursework: Data Science, Machine Learning, Statistical Analysis, Human-Computer Interaction, Cybersecurity, Product Management

PROFESSIONAL EXPERIENCE

DC Education Research Collaborative (Urban Institute)

Jun 2025 – Present

Advisory Committee Member, Washington, DC

- Advise researchers and district stakeholders on equity-focused research design; connect complex findings to actionable, student-centered recommendations for educators and community partners.
- Presented student perspectives on data interpretation and belonging outcomes at the DCPS Culture Institute, MTSS Leads Institute, and Summer Leadership Institute (introduced Chancellor Lewis Ferebee).

DC Public Schools (DCPS)

May 2025 – Aug 2025

Education Data & Innovation Intern, Washington, DC

- Analyzed Panorama survey data from 10,000+ students using Python and Excel to surface belonging and engagement disparities across race, grade, and school, informing \$MM+ resource allocation decisions.
- Built interactive Tableau dashboards monitoring attendance patterns and climate indicators, used by 5+ district leadership teams to guide programming and strategic priorities.
- Translated quantitative findings into stakeholder-ready presentations and co-developed shared leadership frameworks with cross-functional teams across research, programming, and district leadership.

Capitol Bee Care LLC

Jun 2025 – Aug 2025

Smart Hive Technology & Data Intern, Washington, DC

- Deployed IoT sensor data pipeline integrating temperature/humidity readings with field observations into a centralized tracking system, reducing troubleshooting time by ~20% through automated anomaly detection.
- Built repeatable monitoring protocols across 5+ hive deployments, improving data collection reliability for evidence-based field decision-making.

Virginia Tech College of Engineering

Summer 2024

Cybersecurity Project Intern, Falls Church, VA

- Contributed to cybersecurity project development; researched certification pathways and refined hands-on STEM learning activities to improve accessibility and practical skill-building.

Pepco (Potomac Electric Power Company)

Summer 2024

Transmission & Substations Intern, Washington, DC

- Evaluated transmission infrastructure operations supporting ~900,000 customers; developed project documentation for reliability planning in a safety-critical regulated utility environment.

Tyler Technologies | Microsoft BAM Mentorship Program

Summer 2023

Data & Insights Intern | *ML & Data Science Track*

- Supported software deprecation analysis for 50+ government clients; synthesized deployment and usage insights across Engineering, Sales, and Marketing to inform product decisions.
- Explored ML and data science fundamentals through mentorship-driven coding projects and hackathon-style challenges; practiced pitching data-driven solutions under time constraints.

Raytheon Technologies

Summer 2022

Engineering & Community Impact Intern, Washington, DC

- Collaborated on engineering projects addressing community challenges; conducted structured research and proposed data-backed solution approaches to cross-functional teams.

SELECTED PROJECTS & POLICY WORK

DC Arrest Trends & Policy Analysis (*Python, pandas, matplotlib, time-series, difference-in-differences*) Analyzed 24 years of arrest data across NYC, DC, and LA to quantify impacts of marijuana legalization and stop-and-frisk reforms; identified persistent racial disparities through regression modeling and statistical tests.

Smart Hive IoT Monitoring System (*Python, IoT sensors, data pipelines*) Designed end-to-end sensor workflow combining temperature/humidity data, camera checks, and field notes into a unified dashboard with anomaly detection and threshold alerting.

Policy Analysis Portfolio (*Research, cost-benefit analysis, equity frameworks*) Authored evidence-based policy papers on K-12 cell phone bans, community water fluoridation, ADU housing reform, and SDG 4 foundational learning outcomes in West Africa.

LEADERSHIP & CAMPUS ENGAGEMENT

Founder & President, McKinley Technology High School Debate Team | **Ambassador & Workshop Lead**, Black Student Empowerment, Cornell (led 'Polished for Success' headshot + branding event)

Executive Board Member, Men of Color in Athletics, Cornell | **Freshman Representative**, Students Working Ambitiously to Graduate (SWAG), Cornell

Student Voice Council Member, Mikva Challenge DC (2021-2024) | **Featured**, The Washington Post (Feb 2024) for founding debate program while competing as Division I sprinter

SKILLS

Technical: Python (pandas, numpy, matplotlib, seaborn), SQL, R, Tableau, Excel (pivot tables, Power Query), Git, Jupyter, Figma, IoT sensors

Languages: English (Fluent), Yoruba (Fluent), French (Intermediate), Mandarin (Intermediate)