

# Shanikwa Haynes

Data Analyst

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## PROFESSIONAL SUMMARY

Former Security Officer with criminal justice background transitioning to data analytics, bringing investigative thinking and risk assessment expertise to data-driven decision-making. Skilled in SQL, Python, R, Tableau, and Excel with hands-on experience analyzing operational data, identifying process improvements, and delivering insights that reduced security violations by 10%. Proven ability to clean, visualize, and transform complex datasets into actionable recommendations across security, logistics, public service, and education sectors.

## SKILLS

**Data Analysis & Visualization:** Power BI | Tableau | Excel

**Programming & Databases:** SQL | Python | R | Bash | HTML | CSS | JavaScript

**Business Intelligence:** KPI Development | Dashboard Creation | Performance Metrics | Trend Analysis | Reporting Automation

**Core Competencies:** Data Validation | Process Optimization | Statistical Analysis | Pattern Recognition | Risk Assessment | Stakeholder Communication | Quality Assurance | Data Analysis and Reporting | Data Collection and Analysis | Forecasting | Business Development | Big Data Understanding

**Tools & Platforms:** Infinite Campus | Microsoft Office Suite | Google Workspace | Learning Management Systems

## EDUCATION

Master of Science in Data Analytics, Data Science | Western Governors University | Mar 2025 - Aug 2025

Bachelor of Science in Business Administration, Management | Western Governors University | Sep 2024 - Jan 2025

Bachelor of Science in Criminal Justice, Minor in Psychology | Dalton State College | Jan 2018 - May 2021

## CERTIFICATIONS

Google Data Analytics Professional Certificate, Coursera | Jan 2023

Data Analytics Certificate Course, Break Into Tech | Apr 2024

## PROJECTS

[AI-Powered Business Intelligence Dashboard](#) | Python, Streamlit, Google Gemini API, Plotly, Pandas | Jan 2024 - Present

- Engineered full-stack BI platform addressing critical data bottlenecks where analysts spent 80% of time cleaning data before analysis—integrated DuckDB-powered SQL engine with 15+ cleaning templates and Google Gemini AI for natural language queries, processing 1M+ records across 6 industries (Finance, Healthcare, Sales)
- Eliminated data preparation bottleneck by building automated SQL cleaning module with visual validation—reduced data cleaning time by 90% (4 hours → 30 minutes) and analysis time by 95% (3 days → 30 seconds), enabling non-technical users to generate executive reports and 30-90 day forecasts with AI-interpreted confidence intervals
- Deployed scalable data pipeline handling 1M+ row datasets with real-time visualizations and complex transformations (outlier detection, duplicate removal, email validation)—automated reporting engine generating insights in <15s across 4 export formats, previously requiring 3+ days of manual analysis

[Database Developer](#) | Relational Database Design & Optimization | EcoMart E-Commerce Platform | Mar 2025 - Apr 2025

- Architected normalized 3NF PostgreSQL database with 3 interconnected tables resolving inventory management inefficiencies for online marketplace handling 10,000+ transactions with 100,000+ records
- Optimized query performance through strategic indexing on 7 frequently-accessed columns, reducing execution times by 35% (15.2ms → 9.9ms) while developing 3 complex SQL queries for business operations
- Implemented scalability features including horizontal scaling architecture, role-based access controls (RBAC), and data encryption protocols supporting HIPAA compliance requirements

## WORK EXPERIENCE

**Data Analyst** | Freelance & Personal Projects (Part-time contract work, 15-20 hrs/week) | Dalton, GA | Jan 2023 - Present

- Developed and maintained 5+ interactive dashboards and analytical tools using Power BI, Tableau, and SQL, implementing automated data refresh schedules, data validation protocols, and performance monitoring to ensure data accuracy, reliability, and timely insights
- Designed clear, accessible data visualizations and reports across multiple platforms, translating complex datasets into actionable insights that support strategic decision-making for diverse stakeholder audiences
- Integrated 10+ data sources through API connections and SQL queries, optimized database queries to reduce processing time by 40%, and automated reporting workflows using Python scripts for efficient, reliable data delivery and analysis
- Collaborated with clients to identify analytical requirements, provide data-driven recommendations, and deliver customized reporting solutions that align with business objectives and support continuous improvement initiatives

**Security Officer** | Allied Universal | Dalton, GA | Jan 2024 - Apr 2024

- Leveraged site access data and incident logs to assess risk exposure, minimize unauthorized access trends, and enforce operational protocols that contributed to a 10% reduction in on-site security violations
- Interpreted real-time incident response data to support conflict mitigation efforts, maintaining a 100% conflict resolution success rate while enhancing client-facing service strategies
- Consolidated observational inputs into actionable summaries, enabling facility managers to address procedural gaps and enhance site-wide protocol enforcement