

KEANDRE WILLIAMS

Data Scientist • Data Analyst

682-233-3792 | plain.alcoves.0e@icloud.com | [LinkedIn](#) | Atlanta, GA • US Citizen

PROFESSIONAL SUMMARY

Data scientist and analyst with 4 years of experience turning ambiguous business questions into predictive models, automated pipelines, and decision-ready insights across enterprise-scale data. Georgia Tech-trained economist fluent in Python, R, and SQL, with statistical and machine-learning models adopted into production workflows and \$4M+ in quantified impact.

TECHNICAL SKILLS

- **Programming & Query:** Python, R / RStudio, SQL, STATA, VBA, JavaScript, HTML
- **Machine Learning & Statistics:** predictive modeling, clustering / segmentation, regression & econometric modeling, causal inference, Monte Carlo simulation, time-series forecasting, anomaly detection
- **Data Engineering & Tools:** Alteryx Intelligence Suite, Jupyter Notebooks, ETL / data-pipeline automation, Git / GitHub, LLM-assisted development (GitHub Copilot)
- **Visualization & BI:** Tableau, Power BI, Microsoft Excel (Advanced)
- **Certifications:** Alteryx Designer Core, Alteryx Designer Advanced

PROFESSIONAL EXPERIENCE

Financial / Data Analyst | [American Airlines – Cargo Division](#) 2023 – Present

- Built machine-learning forecasting and clustering models on 10+ years of financial and operational data to detect cost anomalies and improve forecast accuracy across \$100M+ in annual spend.
- Engineered automated data-ingestion pipelines in Alteryx and Python processing hundreds of thousands of records, eliminating 100+ hours of manual reporting annually and ensuring clean, governed data for downstream modeling.
- Partnered with commercial-strategy and finance teams to develop customer analytics and segmentation models supporting the migration of 150+ enterprise customers, identifying \$3M+ in strategic cost savings.
- Designed an enterprise Tableau analytics platform integrated with a VBA-enabled audit database that captured user interactions and monitored compliance across \$5M+ in annual loyalty expenditures.
- Led data-validation analysis on a \$7M contract, uncovering fleet discrepancies through systematic validation and securing \$500K+ in new savings with procurement partners.
- Integrated LLM and AI-assisted development tools (GitHub Copilot, modern LLM workflows) into analytics and automation projects to accelerate model development and improve code quality.

Lead UI/UX Developer & Full-Stack Engineer | [LAUNCH Mentorship](#) 2024 – 2025

- Designed relational databases and event-driven components (HTML, JavaScript, Velo) powering real-time data capture, automated workflows, and cohort-based communication for a mentor–student platform.
- Established version-controlled code pipelines with structured GitHub branching, reinforcing reproducibility and data integrity across releases.

College / Division Financial (Data) Analyst | [Georgia State University](#) 2022 – 2023

- Built forecasting models and executed complex SQL queries in Spectrum / PeopleSoft to project revenues and liabilities for an \$85M endowment, informing strategic planning.
- Synthesized financial, HR, and operational datasets across departments and centers, translating results into insights presented directly to deans, directors, and board members.

DATA SCIENCE PROJECTS

- **Predictive Forecasting & Anomaly Detection.** Trained forecasting and clustering models on 10+ years of records to flag cost anomalies and surface savings opportunities, mirroring production anomaly-detection workflows.
- **Econometric & Causal Modeling.** Applied regression and econometric methods to isolate the drivers behind financial and operational outcomes, translating statistical results into business recommendations.
- **Monte Carlo Simulation.** Modeled uncertainty and risk across financial scenarios to quantify probable outcomes and support decision-making under uncertainty.
- **Dynamic Classification Pipelines.** Built Alteryx workflows that parse varying data structures across hundreds of complex records, replacing manual tracking with scalable, repeatable models.

EDUCATION

B.S., Economics | [Georgia Institute of Technology, Atlanta, GA](#) August 2022

Minor in Spanish • Omicron Delta Epsilon Economics Honor Society (undergraduate research) • NABE, GT Chapter – Executive Member

Languages: Fluent in English and Spanish; novice conversational Japanese and Korean.