Timothy Knox

PROFESSIONAL SUMMARY

I am a seasoned Data Scientist with a passion for crafting accurate data science models, actionable reports and dashboards, and insightful analyses. I harness the power of Tableau, Snowflake, and Python to shed light on complex business problems, drive data-driven solutions, and construct machine learning models. I thrive on tackling data challenges and turning them into opportunities.

CORE SKILLS

SQL | MySQL | Tableau | Power BI | Lyric | Excel | Python | R | Alteryx | Databricks | JIRA | Google Colab | Google Cloud | Streamlit | Snowflake | Data Science Models

PROFESSIONAL EXPERIENCE

Senior Data Scientist | Krispy Kreme | Apr 2026 – Present

- Own and enhance forecasting models, including time-series, hierarchical, and machine learning approaches.
- Design and implement scalable data processing pipelines between Krispy Kreme systems and Lyric (Snowflake, Oracle DP Cloud, POS, etc.).
- Identify opportunities to enhance forecast accuracy, reduce returns, and improve finishing position performance.

BI Developer II | Coca-Cola Consolidated | May 2023 – Apr 2026

- Design and maintain Tableau dashboards, seamlessly integrating Tableau Server with Snowflake.
- Employ DevOps methodologies for Python ETLs and data science models.
- Develop Python and SQL scripts for data manipulation and application development.
- Develop and deploy Streamlit applications integrated with agentic AI.

Data Analyst | Dentsply | Aug 2021 – May 2023

- Reviewed and corrected sales data flowing through internal and external data systems using SQL Server, Access, Power Automate, and Databricks.
- Built dashboards in Power BI and Excel to measure distributor performance and error rates.
- Developed and implemented data collection methods for integration of vendor data, ensuring data integrity.
- Utilized Python, SQL, PySpark, and Spark SQL in Databricks for data processing and reporting.

Data Analyst II | Blue Cross Blue Shield | Apr 2019 – Mar 2021

- Created comprehensive reports, dashboards, and visualizations presenting key people metrics: productivity, headcount, attrition, organizational health, recruiting, retirements, training, workforce maturity, and retention.
- Coordinated larger analysis efforts for dashboards presented to the CIO and CEO.
- Analyzed data using statistical techniques to identify patterns and trends.
- Utilized Access, Excel, Tableau, and Business Objects to build interactive dashboards for internal customers from Finance, IT, Human Resources, and other departments.

Data Analyst I | Virtual Business Office | Oct 2018 – Apr 2019

- Created financial deliverables using MySQL, Alteryx, Excel, and UltraEdit.
- Performed reconciliations to ensure accuracy and completeness of data.
- Combined existing and custom SQL scripts with troubleshooting knowledge to confirm data integrity and seamless performance of database executions.

Reporting Analyst | Charter / Spectrum / TWC | Jun 2015 – Dec 2017

- Imported data from SQL, Avaya, and other Microsoft programs into Excel to build daily reports.
- Regularly communicated with leadership regarding report results and methods to increase performance.
- Developed a company-wide dashboard including metrics pulled from multiple sources, as well as weekly stack rankings for managers and supervisors.

EDUCATION

M.S. Data Science and Business Analytics | UNC Charlotte | Dec 2025

- Built statistical models using R and Python.
- Utilized Python in Google Colab for advanced analytical techniques: linear regression, logistic regression, decision trees, random forests, and text mining.
- Built advanced visualizations in Tableau and Power BI.

B.S. Sociology | Clemson University | May 2011