

Van Vu | Senior Data Analyst

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Summary

Senior Data Analyst with a strong foundation in analytics, automation, and business intelligence. Experienced in transforming data into actionable insights using Python, SQL, Tableau, and cloud-based solutions. Currently pursuing an M.S. in Analytics at Georgia Tech with interests in machine learning, predictive analytics, and decision-driven analytics.

Professional Experience

Trane Technologies, Senior Data Analyst, Atlanta, GA **June 2023 – Current**

- Awarded Q1 2025 President's Award for Innovation and Growth for developing the Diagnostics Dealer Dashboard, which enabled data-driven decision-making and uncovered new sales opportunities for the Diagnostics and Tech App teams
- Awarded Q4 2024 President's Award for World-Class Lean for developing the Distribution Center Dashboard, which eliminated manual reporting processes for DC admins, boosted leadership productivity, and saved over 2 hours per site per day in report preparation time
- Enabled a \$3.1M revenue opportunity by building a coverage gap-identification dashboard using SQL, Tableau, and cross-functional business logic
- Developed the Supply Install Base Dashboard to identify regional sales opportunities for account managers across the organization
- Provided consultation on Tableau dashboard solutions across both Residential and Supply business units, increasing stakeholder adoption and driving a culture of data-informed decision-making
- Facilitates Monthly Data Practitioners Group Call across Residential and Supply business

Trane Technologies, Quality Engineer, Columbia, SC **April 2022 – June 2023**

- Digitized manual data collection processes on the production floor, transitioning from paper-based methods to integrated electronic systems, improving data accuracy and accessibility
- Developed interactive dashboards to track and visualize key manufacturing and quality KPIs, driving data-informed continuous improvement initiatives

Komatsu America Corporation, Manufacturing Engineer, Newberry, SC **April 2021 – April 2022**

- Supported manufacturing operations for wheel loader assembly, focusing on process optimization, quality, and efficiency
- Improved warehouse efficiency by 8% through custom cart design for part transport and staging, reducing retrieval time and supporting on-time assembly

Samsung Electronics, Product Engineer, Newberry, SC **May 2019 – April 2021**

- Reduced manufacturing defect rate from 3.2% to 2.8%
- Engineering lead for the manufacturing launch of the WF45T6200

Education

Georgia Institute of Technology **Expected Graduation Date: 2028**

Master of Science: Analytics

The Citadel, Military College of South Carolina

Graduation Date: May 2019

Bachelor of Science: Mechanical Engineering

Technical Skills

Programming: Python (pandas, polars, scikit-learn, matplotlib, tabpy, streamlit), R (caret, ggplot2)

Database/Data Warehouse: BigQuery, Oracle, PostgreSQL, Amazon redshift

Data Visualization: Tableau, matplotlib, ggplot2, streamlit

Tools: Alteryx, Dataiku, VS Code

Machine Learning & Statistical Concepts: Linear/logistic regression, classification, confusion matrix, cross-validation, bias-variance tradeoff, gradient boosting

Manufacturing Domain Knowledge: Assembly line optimization, warehouse logistics, quality control metrics, manufacturing KPI