

Experience

Data Scientist

[RXA @ OneMagnify](#) – Remote, USA | January 2023 – Current

- **Marketplace Performance Dashboards:** Created Tableau dashboards to monitor sales performance and competition for client's (Sales & Marketing team) products on Amazon & Walmart. Aggregated information from distributor flat files using ETLs (R, tidyverse), web scrapes (httr2, rvest), and custom SQL queries from client's SQL Server and SAP HANA within Tableau. The dashboards track and visualize sales, returns, and other metrics for \$30M YoY across 6,000 SKUs.
- **Weekly Amazon Marketplace Report:** Designed a semi-automatic weekly report using R (gt, ggplot2) and Quarto, tracking 15 ASINs on Amazon for the client (Pricing Manager), providing price recommendations based on internal margin requirements, competitive ASIN performance, and seller performance. Aggregated data from hourly web-scrapes and weekly marketplace scrapes to identify competitive knockoffs and track performance.
- **Database & Model Maintenance:** Enhanced existing ETLs that ingest flat files from FTP folders into the internal PostgreSQL database, incorporating new features in packages (dplyr, tidyr, readr) and utilizing DuckDB for heavier analytical workflows in monthly model development. Implemented Git and GitHub for code maintenance and added comprehensive documentation for manual steps and business logic to support model development.
- **Tableau Server Management:** Maintained 5 dashboards on the client's Tableau Server, documenting and standardizing Custom SQL queries across reports, performing quality assurance checks on data and sources, and implementing version control for Custom SQL queries to ensure accuracy, consistency, and integrity.

Operations Leadership Development Program

[Xylem Inc](#) – Chicago, IL & Uniontown, PA | July 2021 – December 2022

- **Excess & Obsolete Disposition Project:** Employed the DMAIC/DMADV methodology to create a process aimed at reducing the site's (IL) E&O financial reserve and material in warehouses by identifying obsolete items and creating opportunities for rework, resale, and disposal. The control plan included establishing a cross-departmental E&O taskforce, with the new process projected to achieve estimated hard savings of \$1M - \$4M over the next 3-5 years. Utilized skills in Process Flowcharts, Value Stream Mapping, and Control Charts.
- **Excess & Obsolete Identification Project:** Built an automated SQL query/view in the PostgreSQL database & restricted Excel workbook (Power Query, Pivot Tables, & XLOOKUP) template to enforce standardization of the quarterly E&O report across three manufacturing sites (PA & NC). This project led to a 90% process reduction time on the Materials side while meeting the new standards set by Finance for audit.
- **Physical Inventory:** Collaborated with Finance and Materials teams to revamp the annual cycle count across three sites. Created process flowcharts, standard work instructions, and manager checklists, streamlining tasks leading up to the event. This project cut the event time by one workday at two sites and reduced prep time for managers.
- **SQL Reporting:** Developed ad-hoc reports for stakeholders, tackling tasks like validating supplier quotes against internal BOMs, synchronizing lot sizes across facilities, and measuring excess inventory by work cell.
- **Tableau Reporting:** Built intuitive dashboards for Quality and Finance teams, focusing on internal audits. These dashboards tracked forecasting accuracy, quality benchmarks across product lines, and performance KPIs for production.

Education

Bachelor of Science in Industrial Engineering | West Virginia University – Morgantown, WV

Certifications | Lean Six Sigma Green Belt (IISE) | Continuous Improvement (Oshkosh Corp.) | CAPM Eligible

Spoken Languages | English (Native) | Turkish (Bilingual) | German (Elementary)