

## SUMMARY

As a Data Scientist with a solid foundation in industrial engineering and a proven track record at OneMagnify, I specialize in creating and maintaining data pipelines, dashboards, and reporting solutions that drive significant business improvements. My expertise encompasses advanced analytics using R, Tableau, Quarto, & Docker, combined with a strong background in database management and the development of internal tools to enhance organizational efficiency. Leveraging my experience in both client-facing and internal projects, I am adept at translating complex data into actionable insights, fostering data-driven decision-making across various sectors. My approach is characterized by a relentless pursuit of excellence, continuous learning, and a commitment to contributing innovative solutions within data science teams.

## EXPERIENCE

**Data Scientist** | OneMagnify – Remote, USA

**January 2023 – Current**

- *Client Work:* Built and maintained: data pipelines, dashboards, & reporting for key stakeholders across multiple clients in the home appliance sector. Sample work includes web scraping, exploratory data analysis, & linear modeling with R; Dashboard & Finance applications with Tableau and Tableau Prep. Heavy focus on Tidyverse & Tidymodels family of R packages, with ad-hoc reporting supported with Quarto/Markdown.
- *Internal Projects:* Developed new standards for database usage (DuckDB), incorporated Git (GitHub) & Docker into project workflows & created internal R package for meeting company branding guidelines.

**Continuous Improvement Specialist – OLDP Rotation 2** | Xylem Inc – Chicago, IL

**July 2022 – December 2022**

- *Excess & Obsolete Inventory Identification & Disposition Project:* Using the DMAIC/DMADV methodology, created a process to reduce the site's E&O financial reserve and material in our warehouses by identifying items that are obsolete and creating rework, re-sale, & disposal opportunities. The control plan included the creation of a cross-departmental E&O taskforce, and the new process has estimated hard savings of \$1M - \$4M in the next 3-5 years.
- *Ad-Hoc Floor Workshops:* Led and assisted many projects to drive Continuous Improvement initiatives at the site, including but not limited to: 5S & Safety audits, lean methodology seminars, inventory audits, & cycle counts.

**Business Data Analyst – OLDP Rotation 1** | Xylem Inc – Uniontown, PA

**July 2021 – July 2022**

- *Excess & Obsolete Reserve:* Designed a recommendation engine for the quarterly report with an emphasis on reducing ETL time and standardizing the process across all Sensus NA Sites to meet new financial policies. The new engine reduced process time by 72 hours (-90%) per year and led to new reporting and forecasting capabilities.
- *Sensus NA Physical Inventory:* Created documentation for the annual NA physical inventory event, including process flowcharts, work instructions, and manager checklists for tasks leading up to the event. The documentation package standardized the process across all NA sites and removed non-value-added activities during the event.
- *Ad-Hoc Reporting:* Created various data pipelines, dashboards, and reports for unique business needs, including tracking forecasting accuracy, comparing supplier and internal bill of materials, gathering and dashboarding quality control measures, and synchronizing lot sizes across multiple sites.

## EDUCATION

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

**August 2017 – May 2021**

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

## SKILLS

**Data Analytics & Information Systems** | SQL (Subqueries, CTEs, Window Functions, Transactions & Error Handling)

R | Tidyverse | Docker | Tableau | Power BI | ANOVA | Advanced Excel (Power Query, PivotTables, XLOOKUP)

UML Diagraming | Linear Programming | Machine Learning | Quarto | MS Project | MS Access | Power Automate

**Manufacturing Systems** | DMAIC | 5S | FMEA | Process Flowcharts | Value Stream Mapping | Time Studies | DMAIC

Work Sampling | Control Charts | Line Balancing | Process Capability Analysis | Production Planning & Control

**Project Management** | Microsoft Project | Work Breakdown Structures | Project Charters | Earned Value Management

Gantt Charts | Network Diagrams | Resource Leveling | Agile / Sprint Methodology | Critical Path Methodology

**Spoken Languages** | English & Turkish