

## Experience

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### Adjunct Instructor

[West Virginia University](#) – Morgantown, WV | January 2025 – Current

- **Curriculum Design & Lecturing:** Teach junior & senior level classes on Python for Data Analysis & Operations Research using modern tools like Polars, Plotly, Gurobi, uv, & Quarto in a hands-on, project orientated classroom.

### Data Science Consultant

[OneMagnify](#) (Previously Splash Analytics) – Remote, USA | January 2023 – Current

- **Consulting & Client Engagement:** Lead multiple engagements with Fortune 500 clients, managing relationships, gathering requirements, and presenting tailored data solutions. My role includes conducting client meetings, setting project expectations, understanding clients' data, delivering actionable insights, & ensuring long-term value creation.
- **Data Science & Analytics:** Developed weekly price recommendation models for Amazon ASINs, integrating competitive analysis, seller performance, and margin targets. Support end-of-life part forecasts using ARIMA, ETS, Prophet, and XGBoost, optimizing inventory management for discontinued replacement parts.
- **Business Intelligence:** Developed customized HTML reports that surpassed the limitations of traditional formats like PDF/Word/PowerPoint, offering advanced features and portability. Maintain 5 Tableau workbooks on the client's Tableau Server, delivering dashboards that provided a single view of seller performance on Amazon. These insights helped manage \$30M in annual sales across 6,000 SKUs. Created competitive marketplace reports using web scraping to highlight missed revenue opportunities and counterfeit activity.
- **Data Engineering:** Designed and implemented robust ETL pipelines, ingesting data from FTP, Google Drive, Amazon S3, and various databases into our internal systems. Enhanced existing workflows to standardize the ingestion and transformation of large datasets across clients, as well as adding data quality checks & alerts to existing pipelines.
- **DevOps & Infrastructure:** Standardized the use of Git and GitHub for version control and project management, ensuring the accuracy and integrity code across client projects. Established database schemas and standards for client data, ensuring consistency in our project folder structures in development & production environments.
- **Tech Stack:** Python (Polars/Plotly), R (Tidyverse, Tidymodels), Quarto, Shiny, Tableau, DuckDB, SQL, HTML/CSS

### 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 report to be ingested by a 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 for the warehouse managers 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.
- **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.

## Education

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