



WHAT DRIVES ME

I've always loved asking 'how?' and 'why?' Since starting my journey as a data scientist, I've been able to answer 'how?' by developing tools to support my teammates, while answering 'why?' with analyses to support data driven decision making. I'm looking for a position where I can build a career using my skills to help my team and conduct meaningful analyses that inform business decisions and contribute to achieving company goals.

EXPERIENCE

- Data Analyst** — *Publix Super Markets* May 2022 - Present
- Develop novel analyses and models to provide key insights to business stakeholders including store managers
 - Build and maintain internal **R** packages to aid in analysis such as 'publixdate' for working with Publix's system of dates or 'pubsub' for general utilities and a streamlined database connection interface
 - Seek out and participate in strategic initiatives which require analytic support from across corporate
 - Visualize data and create reports in **Power BI** to display model performance and facilitate data-driven decisions
- Data Science Project Team Lead** — *Tallahassee Memorial Healthcare* Aug 2021 - May 2022
- Correlate patient feedback to readmissions and patient experience using **linear regression** and **decision trees**
 - Create an interactive training tool for nurses using results found in the analysis with **HTML** and **JavaScript**
 - Work with capstone sponsor to define project timeline and goals and author a report on project findings
- Data Analyst and Assistant Project Manager** — *Draken International* Dec 2020 - Sep 2021
- Oversee a team of interns and supervise data migration efforts including cleaning source data before transfer
 - Use **text mining** and **sentiment analysis** with **tidytext** to correlate radar system failure reports and repairs
 - Create and run weekly parts availability analysis and reports in **R Markdown** using **R** and **RStudio**

PROJECTS

- Shrink Narrative Reports** — *Publix Super Markets* May 2022 - Aug 2022
- Built a fully automated reporting pipeline with **R** and **Python** in for **Spark** in a **Databricks** environment that delivers monthly PDF reports to all Publix stores to support goals to reduce retail shrink
 - Analyzes store shrink metrics and provides actionable insights through targeted operations suggestions
 - Built and implemented a **SQL** translation function leveraging the **tidyverse**, **dbplyr**, and **sparklyr** to expedite writing new targeted operations suggestions as operations leaders see demand
 - Completed the project four months ahead of schedule and saved \$85k per year in contracting costs
- Store/Item Activation Recommendations** — *Publix Super Markets* April 2023 - Present
- Implemented a **machine learning** recommendation system to optimize store/item availability combinations
 - Accepts any combination of stores and items and imputes data for missing combinations
 - Uses the **tidymodels** suite to cluster stores based on similar latent features from the recommendation process
 - Pioneered "project as a package" for easier documentation, maintenance, legibility, requirements, and usability

EDUCATION

- Florida Polytechnic University** Aug 2018 - May 2022
- *Bachelor of Science, Business Analytics with Concentrations in Quantitative Economics & Econometrics and Intelligent Mobility*