


# JOSEPH A. BURTON

## DATA ANALYST

Data science, to me, offers a way to become more resourceful, inquisitive, and insightful. I enjoy finding ways to constantly better myself, and those around me, and the world of data science offers exactly this. This industry is constantly evolving and there are great opportunities to grow, become more efficient, and offer guidance.

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## TECHNICAL SKILLS

Python	Anaconda
Pandas	Git
Matplotlib	Data Storytelling
SQL	Spark
Applied Statistics	Machine Learning
Natural Language Processing	Deep Learning
Project Management	Power BI
	Tableau

## EMPLOYMENT HISTORY

### Data Analyst - Merchandise

Visionworks September 2019 - Present

I have automated Power BI and other reports for routine updates. I work with multiple stakeholders to engineer insightful data summaries to improve strategies and operations.

### Project Manager

Anthony & Sylvan Pools May 2018 - February 2019

I worked closely with vendors and internal operations to ensure custom construction projects were completed in a timely manner, within budget, and within scope outlined by contract.

### Project Manager

DKD Electric August 2017 - March 2018

I worked directly with the project foreman and senior estimator to ensure project scope was completed. I ensured materials provided and scope completed followed specs provided by customers.

### Operations Manager/Operations Specialist

ModSpace June 2014 - August 2017

Duties included management of 1,100 modular rental buildings, creating SOW, creating and implementing operations processes, issuing PO's, QA/QC inspections, management and training of staff and vendors, P&L management, capitalization improvement selection, sales support.

## DATA PROJECTS

**CivTechSA Datathon** June 2019

### Winner - Most Solvable

Created regression and classification concept models to predict sanitary sewer overflows (SSO). SAWS data was analyzed to offer insights on where to allocate resources to proactively clean to prevent future SSO's, thus creating a cleaner San Antonio.

**Hotel Bookings** June 2019

This project involved cleaning of check-in data for two separate hotels. Data provided had some irregularities based on logic. Applying domain expertise, a new KPI was created to gauge the performance of the two hotels.

**Capstone** June 2019

This project involved analysis of oil well data in order to create predictive regression models that can determine oil recovery based on type of well, horizontal length, and other features. Clustering was also used to group similar attributes.

**Curriculum Log History** May 2019

This project consisted of wrangling and cleaning student curriculum log history data. Trends pertaining to cohort and students were analyzed and visualized to find anomalies.

## ACADEMIC BACKGROUND

**Codeup - Certificate of Completion** June 2019

Over 18 weeks, I developed expertise across the full data science pipeline (planning, acquisition, preparation, exploration, modeling, delivery), and gained knowledge working with real, messy data to deliver actionable insights to diverse stakeholders. Deliverables included digestible visualizations, summaries to executive leadership, and effective predictive models.

**University of Texas at San Antonio** May 2006

Bachelor of Business Administration  
General Business