

DAN CHURCHILL

Data Scientist

 (210) 218-7607  Dan.Churchill.satx@gmail.com  [LinkedIn/DanChurchill](https://www.linkedin.com/in/DanChurchill)  [GitHub/DanChurchill](https://github.com/DanChurchill)

Data Scientist and former Air Force Officer with extensive experience leveraging data to make informed business decisions. Following a successful military career, I've augmented my MBA with technical skills, now I'm ready to apply my passion for problem solving and analytics in a Data-Oriented role.

TECHNICAL SKILLS

Python - SQL - Snowflake - Tableau - Matplotlib - MySQL - Pandas - NumPy - Snowflake- Git - Applied Statistics - ETL
Machine Learning - Agile - Scikit learn - Spark - Data Science - Strategic Planning - Relational Databases

DATA SCIENCE PROJECTS

[Used Auto Price Predictor](#)

Used regression modeling to target the sales price of used cars from a real-world messy data set of over 500K actual transactions. Utilized a combination of Python, Scikit-learn and Seaborn to explore the data for drivers of selling price, then used XGRegressor to create a model that beat the Manheim Market Report by 16%.

[Data at the Museum](#)

The NY Metropolitan Museum classifies less than .5% of their items as 'Highlights'. Our team used supervised and unsupervised learning techniques to segment the dataset and determine what factors contribute to an item being a highlight. We were able to create a model to predict highlight items with 99% accuracy and a superb 75% precision. Analysis of the model's predictions reveals underappreciated artworks that could be highlighted in future exhibits or targeted by other museums for their collections.

[Predicting Customer Churn](#)

Identified drivers of churn and at-risk customer segments for a communications company and made business recommendations based off of statistical analysis. Acquired data via SQL and utilized a Scikit-learn logistic regression model to predict churn with 81% accuracy.

PROFESSIONAL EXPERIENCE

US Air Force (Civilian Service) - San Antonio, TX

IT Program Analyst / Aug 2020 - Jun 2022

- Performed ETL pipeline processes to facilitate data transfer between multiple databases and systems
- Utilized Agile methodologies to drive development of web applications for over 500K world-wide users
- Procured data via complex SQL queries and created visual aids to drive Air Force-wide policy decisions
- Used statistical methods to analyze force allocation information and create executable movement plans

San Antonio Independent School District - San Antonio, TX

Warehouse and Transportation Manager / Jan 2020 - Jul 2020

- Managed all facets of logistics for nation's 3rd largest School Nutrition Department serving 91,000 meals daily
- Implemented software solutions for fleet tracking, inventory management, and delivery route optimization
- Data-driven approach increased storage effectiveness 35%, cut fleet mileage 12%, and cut overtime 8%

United States Air Force (Military Service) - World-wide locations

Logistics Readiness Officer / May 1999 - Jan 2020

- Director of Logistics Operations for Joint Base San Antonio six operating locations supporting 80K personnel
- Led a 310-person multinational team to advise and train Afghanistan Air Force leaders in logistics principles
- Headed analysis team to provide SECDEF nominations for 13,000 world-wide combat deployments per year

EDUCATION

Codeup

Data Science Program Certification of Completion

Jun 2022 - Nov 2022

Fully-immersive, project-based 20-week career accelerator that provided me with 670+ hours of expert instruction in applied data science. Developed expertise across the full pipeline (planning, acquisition, preparation, exploration, modeling, storytelling), and become comfortable using real, messy data to deliver insights to diverse stakeholders.

Trident University International

Master of Business Administration, Concentration in Supply Chain and Logistics, 3.8 GPA

2007-2008

University of Maryland Global Campus

Bachelor of Science in Computer Systems, 3.8 GPA

2003-2006