

# Del Wester

[delwester@gmail.com](mailto:delwester@gmail.com) | 214-682-1764 | [linkedin.com](https://www.linkedin.com) | [github](https://github.com)

## SUMMARY

Data scientist with 10+ years of hands-on experience in project design, hypothesis testing, predictive modeling, and analytical problem solving utilizing advanced statistical methods. Proficient in algorithm development and implementation, model validation, data wrangling, exploratory data analysis, identifying patterns, clustering, and visualization of large and small data sets.

Data Science is a flow of components that work on data step by step to deliver insightful understanding. My expertise lies in finding that flow and working with it to find optimal path for a particular endeavor. This can include creating, diagnosing, improving, and/or enhancing those components. The tools I use to accomplish this include SQL, Python, machine learning, Jupyter notebooks, PySpark, Pandas, Numpy and many others. I have over 10 years of experience working in Corporate America IT. In that time, I have created web apps, databases, data pipelines, data reports, data analytics, data marts, and data warehouses. I have installed, uninstalled, upgraded and migrated a plethora of apps, all of them data-based and utilized over a network. This is tempered by 25+ yrs of experience working with others, which is a skill unto itself.

## TECHNICAL SKILLS

Data Science, Machine Learning, Data Mining, Data Analysis, Data Storytelling, Database Design and Management, Python, MATLAB, SQL, Hadoop, Spark, MapReduce, Data Wrangling, Visualization, Gradient Boosting, Random Forests, Logistic Regression, Linear Regression, Regularization, Clustering, Time-series Analysis, Static & Dynamic Report Creation, Statistics & Probability Technology, Data Scraping Technology, Microsoft systems, Linux systems.

## PROJECTS

### Wine Quality

Developed modeling system based upon physicochemical features of various wines.

- Molded the dataset into one that split the features into a classification binary system for testing purposes.
- Used hyper parameter tuning to compare models to find the best prediction performance.
- Reduced the model to a core feature set utilizing Feature Importance determination, visual boxplots, etc.

### Breast Cancer

Developed a predictive model for Breast Cancer employing various ML techniques.

- Imported and cleaned up the dataset making it ready for EDA.
- EDA helped determine any correlations between the target variable and other features. .
- Correlation coefficient of 0.95 was achieved with extremely low False Negatives.

## EXPERIENCE

### Springboard

03/2020 to Present

#### *Data Scientist Career Track*

- Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning.
- Designed an ETL pipeline to produce a clean, workable dataset for modeling.
- Constructed SQL queries to extract actionable insights from relational databases.
- Programmed random forest classification models in Python that exceeded default accuracy by up to 23%.
- Presented data insights and visualizations to audiences of varying technical ability.
- Applied model selection techniques and hyperparameter tuning procedures to improve on deployed model performance by up to 30%.

### Wester Enterprises

03/2016 to Present

- Data Science online learning
- Dallas ISD
- American National Insurance company
- Amazon

**Cognizant/Pyramid Consulting (Client: 7-Eleven)**

04/2014 – 03/2016

*Data Analyst*

- Successfully completed a 2+ year migration project taking 7-Eleven from an HP Service Manager ticketing service to BMC Remedy.
- Conducted extensive research to ensure the new platform would meet client needs.
- Used BMC Remedy Analytics and BMC Remedy Reporting to create reports showing that Key Performance Indicators were being met.
- Spearheaded a project to automate many of the daily tasks for the data team, including downloading, consolidating, and cleaning data loaded into the production system on a daily basis.

**Computer Sciences Corporation (CSC)**

06/2011 to 09/2013

*Data Engineer*

- Worked with company development teams to identify ETL data; Created ETL scripts using SQL and Python.
- Created data models, solution designs, and data architecture documentation and managed all changes to data models.
- Led conversations highlighting reasoning for data model design decisions and strategically incorporated team member feedback to produce the highest quality data models.
- Worked with project and application teams to ensure they understood and fully complied with data quality standards, architectural guidelines, and designs.

**Xerox Corporation**

10/2005 to 06/2011

*Data Architect*

- Collaborated with project managers to address data related problems regarding systems integration and compatibility, as well as act as a leader for coaching, training, and development with stakeholders.
- Developed conceptual and logical information models within the context of the Enterprise and Line of Business Information Architecture.
- Worked with SQL, PL/SQL procedures and functions, stored procedures, and packages within SQL Server.
- Optimized existing data and application servers by using Windows built-in tuning tools and third-party tools.

**EDUCATION****Springboard Data Science Fellow**

2021

**Devry University**

2007

*Bachelors of Computer Science with a minor in Databases*

- Graduated Magna cum Laude with a 3.86 (of 4.0) GPA.