


David L. Mitchell

Data Scientist

 (210) 915-0178

 davidlee.mitchell2@gmail.com

 [LinkedIn/dlmitc3](#)

 [GitHub/dlmitc3](#)

Having spent years in the military learning how to gather and process metadata. I'm a highly organized data analyst with an advanced understanding of statistics and a background in data collection. Bring results driven actionable analysis to complex business problems.

Technical Skills

Python • SQL • Tableau • Applied Statistics • Pandas • Numpy • Matplotlib • Seaborn • Machine Learning • Natural Language Processing • Apache Spark • Data Storytelling • Git • Jupyter • Anaconda • SciPy • Javascript • Excel

Data Science Projects

Capstone Project - Magic the Gathering Card Price Prediction (08/2022).

The goal for our project was to use Scryfall data to predicting the USD price of Magic The Gathering cards. This will allow buyers and sellers to evaluate prices in auctions based on cards with similar characteristics, and to evaluate card price when there is none that exists.

NLP Project - Poker Face: Predicting programming language (07/2022).

The purpose this project was to be able to model programming languages based off of words used in project README.md. The corpus will be formed from a collection of Github repositories that come up in findings when looking for the word "POKER"

Individual Project - 2021 Major League Baseball (MLB) Prediction and Outcomes (07/2022).

In this project, I was seeking to better understand the game of baseball by creating machine learning models. I created a classification model that tries to predict whether a team will win or lose a game, and a linear regression model that will try to predict the number of runs in a game using hitting data for games that were already played.

Zillow Clustering Project - machine learning model (06/2022).

My goal for this project was to create a model that would find what was driving the errors in the "Zestimates" of single unit properties in 2017. By using clustering methodologies I was able to better understand the data and give more insite to the log-error in the zestiment.

Predicting Home Value using Zillow data (06/2022).

The Goal for this project was to create a reliable model for predicting property values. Using in depth data analysis of Zillows property data from 2017, I used exploratory analysis techniques to identify the key drivers of the assessed tax value for those properties, then use machine learning algorithms I create a model capable of predicting tax values based on features of the property.

Professional Experience

DPT Laboratories - Student Worker

02/2019 - 07/2019

Helped with integration and upgrades of over 500 computers and laptops while systems were moved to Microsoft 2010. Installed Infor/BECS, Lotus Notes CITRIX, and other programs as needed to help with systems integration.

EWA - Contractor

12/2011 - 11/2017

Conducted over 100 vulnerability assessments of emerging technology systems validating suspected hardware, software, and operational vulnerabilities.

US Army - Signals Analyst

05/1999 - 11/2011

Conducted evaluation of new cryptologic analysis systems, to include TEMPEST testing and engineering. Providing time-critical information to U.S. and allied forces deployed to hostile regions in support of Operation ENDURING FREEDOM. While working at the National Security Agency, I conducted research and gathered information, and presented results to various stakeholders.

Education

08/2022

Codeup

San Antonio, TX

Certificate of Completion: Data Science

Fully-immersive, project-based 20-week career accelerator that provides students with 670+ hours of expert instruction in applied data science.

Students develop expertise across the entire data science pipeline (planning, acquisition, preparation, exploration, modeling, delivery), and become comfortable working with data to deliver actionable insights to diverse stakeholders.

10/2019

Hallmark University

San Antonio, TX

B.S: Cyber Security

GPA: 3.96

03/2009

U.S. Army

Fort Huachuca, AZ

Foreign Instrumentation Signals Intelligence Course: Signal/Geospatial Intelligence