

WILL MOORE

DATA SCIENTIST

CONTACT



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wichamo

Sarpedonic

SKILLS

LANGUAGES

Python

SQL

R

LIBRARIES

Pandas

Numpy

SkLearn

BeautifulSoup

Selenium

NLTK

PandasSQL

SQLite

Tensorflow

Model Search

VISUALIZATION

Tableau

Illustrator

Photoshop

InDesign

Matplotlib

Seaborn

ALGORITHMS

Linear Regression

Logistic Regression

Naive Bayes

Knn

Decision Trees

Random Forest

K-means Clustering

XGBoost

EDUCATION

Colorado State
University

Sept. 2006 to
Dec. 2009

B.A. Philosophy 2009
Concentration: Logic

EXPERIENCE

Metis

Data Scientist

Remote

Jan. 2021 to Mar. 2021

- Metis is an immersive 12 week project-focused Data Science bootcamp.
- Built critical Data Science skills through individual project work and peer collaboration including: data acquisition and cleaning, preprocessing techniques, supervised and unsupervised learning, statistical modeling, neural network applications, visualization, and communication of process and results.

Spiteful Brewing

General Manager

Chicago, IL

May 2017 to Mar. 2020

- Analyzed field and onsite sales data as well as production data to inform future business planning both in purchasing and production, contributing to a greater than 400% volume increase.
- Engineered new inventory management process that forecasted production needs up to a quarter in advance.
- Implemented KPIs to drive consistent and strong sales growth through analytics.
- Designed, conceived, and executed all taproom operations.

Riverview Tavern

General Manager

Chicago, IL

Feb. 2015 to Mar. 2017

- Developed a strong, profitable beverage program through improving operations and building key supplier relationships.
- Streamlined product offerings based on sales and customer analysis leading to increased profitability.
- Improved earnings margins through active inventory management and order management.
- Created training programs to help develop a top-notch team of dedicated individuals.

Farmhouse Evanston

Interim General Manager

Evanston, IL

Jan. 2014 to Mar. 2014

- Designed and implemented cider program from scratch for a \$4.5M yearly sales restaurant.
- Collaborated with ownership in the hiring process for the General Management role.

Bar Manager/Staff Cicerone

Evanston, IL

June 2013 to Jan. 2014

- Increased profitability of bar program through product diversification and profit margin analysis.
- Built supplier relationships with several new vendors, giving us exclusive local access to many products.
- Created beverage training program for a 60+ employee restaurant.

PROJECTS

Unlocking The Flavor Network

Mar. 2021 to Mar. 2021

Shared compounds between culinary ingredients were used to build novel flavor combinations. Over 120,000 recipes from the internet had their ingredients identified and then TFIDF vectorized for K-means clustering. The novel flavor pairings were then embedded in one of the fourteen clusters (the most cosine similar), and then additional ingredients from that cluster were added, working with ingredients in the original combination. The results are surprising new flavor combinations that work well together.

NLP: The Federalist Papers

Feb. 2021 to Feb. 2021

The Federalist Papers and The Antifederalist Papers were compared using TFIDF vectorization and pairwise cosine distance, then these pairwise distances were visualized with Seaborn. Used NMF for topic modeling, coming away with eight distinct topics. Getting good representations of the arguments from both sides on a particular topic becomes easy with these tools.

Classification: Darts Wins

Jan. 2021 to Feb. 2021

Targeted Wins for this classification problem, using moving averages of several performance-based metrics as features. Models included KNN, Logistic Regression, and Naive Bayes, and especially Seaborn for visualization. Optimizing for precision, KNN and Logistic Regression were ensemble in the final model.