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Skills

PROGRAMMING LANGUAGES

Python

SQL

HTML / CSS

PYTHON LIBRARIES

Pandas

NumPy

Scikit-Learn / Statsmodels

NLTK

BeautifulSoup / Selenium / Flask

PySpark / SQLAlchemy

MACHINE LEARNING

Regression

Classification

Clustering

Natural Language Processing

Time Series

Neural Networks

Dimensionality Reduction

Web Scraping

Recommender Systems

DATA MANAGEMENT

AWS

PostgreSQL

MongoDB

Hadoop

VISUALIZATIONS

Matplotlib / Seaborn / Plotly

Tableau

Powerpoint / Excel

Work Experience

03/2020 -
06/2020

Data Scientist

Metis

Phoenix, AZ (Online)

- Completed 12-week accredited data science bootcamp focused on Python programming, machine learning, statistical modeling, data visualization, project design, and communication.

2018 - 2019

Graduate Assistant, Department of Finance

Florida State University, College of Business

Tallahassee, FL

- Collaborated on project examining effect of financial investments on judicial outcomes.

2015 - 2018

Chief Attorney, Division of Real Estate

Department of Business and Professional Regulation

Tallahassee, FL

- Managed two complex legal programs.
- Supervised 12 attorneys and 5 administrative staff.
- Regularly advised senior agency officials and presented at conferences.

2011 - 2015

Assistant General Counsel

Department of Business and Professional Regulation

Tallahassee, FL

- Prosecuted professional disciplinary cases.
- Appeared before professional boards and administrative law judges.

Data Science Projects

Retail Customer Segmentation with an Unsupervised Clustering Model:

- Applied unsupervised clustering techniques to perform a customer segmentation analysis on a large transactional retail dataset. Explored and interpreted the resulting customer segments and developed business insights.

Analyzing Federal Reserve (FOMC) Statements with a Natural Language Processing Model:

- Built an NLP model for text and sentiment analysis of scraped official statements issued by the Federal Reserve Open Market Committee from the 1990's to present. Explored the significance of particular word choices and changes over time.

Managing Hotel Room Supply with a Supervised Classification Model:

- Utilized a classification model to estimate the probability of cancellation of hotel reservations to better optimize hotel room supply. Applied a cost-benefit analysis to evaluate the risks and rewards of increasing and decreasing room supply.

Predicting Horror Movie Success with a Linear Regression Model:

- Predicted the box office returns of horror movies by applying a linear model to horror movie data scraped from the Internet. Investigated the effect of numeric features, as well as, the effect of particular directors, actors, etc. on the results.

Education

M.B.A. with Business Analytics Concentration

Florida State University, College of Business

Tallahassee, FL

- GPA: 3.96, Case Competition Team, Phi Kappa Phi

J.D.

Florida State University, College of Law

Tallahassee, FL

- Top 20% of Class / LSAT Top 15% / Multi-State Bar Exam Top 6%

B.A. History, Philosophy

Emory University

Atlanta, GA

- University Radio Disc Jockey / SAT Top 1% / National Merit Finalist

Volunteer

2018 - 2020

Guardian ad Litem

Guardian ad Litem Program, 2nd Judicial Circuit

Tallahassee, FL

- Served as an advocate in legal proceedings and as a mentor for a minor child.