

JAMES ALLEN

Business Intelligence Analyst

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Highly motivated and experienced business intelligence professional with a demonstrated history of working in fast-paced industries. Strong military background and professional business practices are proven through successful accomplishments in data science, management, analysis, analytical reasoning, and communications.

TECHNICAL SKILLS

Python - Pandas - Matplotlib - Git - Applied Statistics - Seaborn - Machine Learning - SQL - Scikit-learn SciPy Statsmodels - Beautiful Soup - NLP - AI - Spark

PROFESSIONAL EXPERIENCE

Amazon
Area Manager 2020 - 2021
Dynamically exercised planning and forecasting to accomplish precise performance appraisals, resolved problems, addressed staffing needs, and enforced accountability for meeting and exceeding operational goals.

Firestone Walker Brewing Company
Sales and Marketing Associate 2019 - 2021
Mindful organization and strategic planning in executing successful development of the Firestone Walker brand in the Central Texas region attributed to increased regional sales by over 140%.

Tesla
Product and Marketing Coordinator 2018 - 2019
Analyzed sales data through CRM database to forecast optimal inventory management which enabled maximum profits attributed from delivering exceptional customer expectations.

PepsiCo
Operations Lead 2016-2018
Managed cross-functional teams in the development, documentation, and delivery of process innovations driving the attainment of business goals with 100% accountability rate.

MILITARY EXPERIENCE

U.S. Army
Intelligence Analyst 2010 - 2016
Synthesized current business intelligence data to produce accurate reports and presentations, identified pertinent changes, and translated them into high quality technical solutions. (SSBI: 2011)

EDUCATIONAL BACKGROUND

Texas State University: Bachelors of Business Administration: Management
3.33 GPA, Deans List 2020

Codeup: Data Science: Certificate of Completion
Germain Cohort 2021

Central Texas College: Associate of Science: Business Administration
3.46 GPA, Deans List 2018

Cochise College: Associate of Science: Intelligence Operations
3.23 GPA 2018

Universal Technical Institute: Diploma: Automotive Technologies
3.47 GPA, Director's List 2009

DATA SCIENCE PROJECTS

Help Wanted: Time Series Analysis / Clustering
Explored impact of COVID-19 on the Texas job market. 98 Industries were examined using U.S. Census data and Texas Labor Market Information. Clustering was used to group the industries into seven categories based on the magnitude of their job loss during the first half of 2020.

Predicting Real-Estate Tax Value: Regression Modeling
The target is the tax value of properties in a Zillow data set. Utilized SQL query to transfer data from MySQL into JupyterLabs. Implement Pandas, Seaborn, and Matplotlib to explore the data set identifying drivers of tax value. Conducted statistical tests: correlations and t-tests, verifying driver features. Established Scikit-learn in order to create a Quadratic Regression model that reduced the RMSE by over \$94k.

Programming Language Predictions of GitHub Repos Using README.md Files: Natural Language Processing
Utilized web scraping to collect data off GitHub.com repositories and their readme files. Identified the repositories primary coding languages using BeautifulSoup. Implemented best practices by normalizing, tokenizing, lemmatizing, and removing stop-words from the readme text data as well as removed any null values.

Web Traffic Throughout Cohorts: Anomaly Detection
Used web counts from Codeup cohorts, identified by ip addresses, to detect unusual activity and web traffic when accessing online curriculum. Identified the most significant lesson though highest count of web visits completed from each individual Codeup cohort.

PERSONAL PROJECT

U.S. CO2 Levels: Time Series Analysis
Used time series analysis to analyze and model CO2 levels in the United States from the 1800's to present day. Identified seasonality with CO2 levels including high and low timeframes. Annual upward and downward trends established and visualized through Matplotlib and taking an average trend and rolling trends of CO2 data.