

Jared Vahle

Data Scientist

I am a driven individual that also excels in teamwork and have a natural talent of improving team dynamics and productivity. I excel at communicating code based on my education background. Im a coding hobbyist, and have a deep understanding and love for statistics.



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/jared-vahle-data-science

TECHNICAL SKILLS

Python- SQL- Natural Language Toolkit

- Scikit-learn -SciPy -Pandas - Matplotlib

-Natural Language Processing - Data Storytelling -Jupyter Lab -

Anaconda -Tableau -Seaborn - BeautifulSoup -Git -Machine

Learning - Anomaly Detection

EDUCATION

Codeup

*Certificate of Completion
June 2021 - December 2021*

Fully-immersive, project-based 22-week career accelerator that provides students with 670+ hours of expert instruction in applied data science. Students develop expertise across the full data science pipeline (planning, acquisition, preparation, exploration, modeling, delivery), and become comfortable working with data to deliver actionable insights to diverse stakeholders.

University of Texas at San Antonio

*Interdisciplinary education
Apr 2016 - Nov 2018*

WORK EXPERIENCE

Domino's Pizza | Apr 2017 - Mar 2021

A delivery driver at one of the most successful dominoes locations in San Antonio, awarded with best Domino's in the city during 2018, as the lead closing driver, I closed stores assisting at other locations, and working along side managers to resolve customers conflicts.

DATA SCIENCE PROJECTS

Curriculum Anomaly Detection

Anomaly Detection

OCT - 2021

Used server access logs to identify anomalous access requests to the Codeup curriculum. Used Pandas, Seaborn, and Time Series Analysis to visualize and explore the data. Was able to identify anomalous user requests and reported findings to the Codeup team in the form of a Jupyter Notebook.

Tech Salary Predictions

Regression Model

SEP - 2021

Used a keggles dataset to create a linear regression model that yearly income for leading jobs in the tech industry. I was able to improve on the baseline model with an average accuracy of ~40,000\$ better than the baseline prediction. There was also a dive into educational backgrounds for data science positions in the dataset, outlining the requirements for these jobs through a Jupyter notebook.

Zillow Tax Value Prediction

Regression Model

SEP - 2021

Used Zillow property data to predict tax valuations of properties for sale on the website. Data was obtained using MySQL and manipulated with Pandas and NumPy. Scikit-learn was used to create a polynomial linear regression model that predicted valuation within a range of \$31,000 of the actual price. Results and takeaways were communicated to peers in the form of a report and presentation.

Customer Churn Analysis

Classification Model

AUG - 2021

Created and implemented various models including several Logistic Regression, Decision Tree, Random Forest, and KNN models that assisted in predicting customer churn/turnover for a telecommunications company. Ultimately the Random forest model was successful at predicting churn with 79% accuracy .