JOSHUA BRYANT

DATA SCIENTIST

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SUMMARY

A highly driven, intuitive and effective leader, transitioning from musician to Data Scientist. Fearless in front of crowds and a natural collaborator, looking to make my mark by bringing fresh new insights to your business through meaningful and actionable data.

TECHNICAL SKILLS

Machine Learning - Python - Pandas Numpy - SQL - Tableau - Matplotlib Seaborn - Classification - Regression Clustering - Time Series Analysis Anomaly Detection - Natural Language Processing - Jupyter Notebooks Applied Statistics - Storytelling - Git Excel - Spark

EDUCATION

Codeup, San Antonio, TX
June 2021 - December 2021
Certificate of Completion
- 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.

Duquesne University, Pittsburgh, PA
August 2013 - May 2015
Master of Music Performance
- Concerto Competition Winner
- International performing artist
- Organized and raised funding for a recital tour across the nation

University of Oklahoma, Norman, OK
August 2008 - May 2013
Bachelor of Music Education
- Most outstanding undergraduate saxophone student

DATA SCIENCE PROJECTS

Esports Analysis - Esports is a booming global industry that will soon rival that of traditional professional sports. League of Legends is one of the largest esports in the world that generated $1.75 billion dollars for Riot Games in 2020 alone. A professional match can last around 20 minutes, and we've created a model that predicts the winner of a match by 10 minutes. This can be utilized by professional analysts of the game, applied to other sports, and help game developers discover any imbalances of the game mechanics.

Predicting Programming Languages - Using Natural Language Processing techniques, my group built a model that predicts what programming language a repository is in, given the text of the README file. Our data was acquired through web scraping repositories on GitHub.

Zillow's Zestimate Logerror Predictions - Used Zillow property data to predict Zillow's logerror for homes in the southern California area. Data was acquired through SQL, I applied machine learning clustering techniques, created Linear Regression models and visualized the data with Tableau.

Predicting Customer Churn - Created classification machine learning models to predict whether or not a customer would churn with an accuracy of 79%. After exploring the data, I was able to offer insightful and actionable recommendations that would prevent a vast majority of customers from churning.

WORK EXPERIENCE

San Antonio College, Adjunct Professor of Saxophone
August 2018 - Present
- Private lesson instructor that creates customized curriculum
- Successfully placed students into four year degree programs with scholarship
- Organized guest artist clinics for San Antonio College music students and surrounding public schools

Trinity University, Adjunct Professor of Saxophone
August 2017 - Present
- Private lesson and saxophone quartet instructor
- Organized and raised funding for world-renowned artists to perform and offer clinics to Trinity music students and surrounding public schools

Waldorf School of Pittsburgh, Woodwind Instructor
August 2014 - May 2015
- Taught 6th-8th grade woodwind pedagogy
- Arranged music for students and organized concerts throughout the year