

JACQUES DIAMBRA ODI

DATA SCIENTIST 📍 STONECREST, GA, UNITED STATES 📞 6784090623

◦ DETAILS ◦

Stonecrest, Ga, United States
6784090623
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◦ LINKS ◦

[Github](#)
[Portfolio](#)
[LinkedIn](#)

◦ SKILLS ◦

Python
SQL
Machine Learning
Exploratory Data Analysis
Tableau
Scikit-Learn
Pandas
Statistics
Plotly
Streamlit
Web Scrapping
Time Series
Deep Learning
Fast API
Computer Vision
KERAS/ Tensorflow
Logistic Regression
Linear Regression
KNN
Random Forest
Support Vector
CatBoost
XGBoost
Light GBM

👤 PROFILE

Data Scientist

As a seasoned scientist, I have spent over 8 years working in a variety of research and development fields, always striving to gain a deeper understanding of the world around us. During this time, I have honed my skills in critical thinking, problem-solving, and data analysis, all of which have proven to be invaluable in my transition to the data science field. My passion for using data to uncover insights and drive decision-making led me to pursue a career in data science, where I can combine my scientific knowledge with advanced analytics techniques. With a strong foundation in statistics, programming, and machine learning, I can create models and algorithms that turn raw data into meaningful insights. I am eager to continue building my skills and applying them to real-world challenges.

★ PROJECTS

Spotify EDA and Web Application

December 2022 | [Project](#)

- Collaborated with software engineers to build a website for our project
- Led a team of 4 to conduct exploratory data analysis and statistical analysis on Spotify playlists, with interactive data visualizations
- Discovered popularity trends was correlated with music events and pop culture: music awards, fashion shows, movies, super bowl, festivals
- Demonstrated presentation skills with YouTube livestream

Ice Retail

November 2022 | [Web Notebook](#)

- EDA on video game retail store sales
- Created interactive visualizations, identified patterns that lead to successful sales and other data driven insights
- Formulated business strategy for advertising campaign to maximize profit in regional markets

Megaline Plus

November 2022 | [Web Notebook](#)

- Used hypothesis testing to determine that the Ultimate plan brings in more revenue than the Surf plan
- Data suggested a marketing push towards the Surf plan would yield a higher cash on cash return
- Illustrated data usage to be the largest contributor to revenue
- Created a classification model to predict upgrade options for legacy plan holders, with 80% accuracy on an imbalanced dataset

Sure Tomorrow Insurance

December 2022 | [Web Notebook](#)

- Applied machine learning and model tuning to identify similar customers
- Predicted whether a customer was likely to receive an insurance benefit
- Predicted the number of insurance benefits a customer was likely to receive
- Protected clients' personal data with obfuscation, without affecting model performance

Rusty Bargain Used Car Sales

January 2023 | [Web Notebook](#)

- Conducted EDA on used car sales and cleaned data of missing values and outliers
- Illustrated the difference between simple and boosted models, with model training times and RMSE scores
- Concluded the Light GBM model had a good balance of speed and prediction quality, which would benefit the market value prediction UX on the app

EMPLOYMENT HISTORY

QC Chemist | Arxada

December 2019

- Analyzed chemical, raw materials, in-process materials, or release test samples in support of compliance with company standards
- Interpreted and evaluated the analyses in terms of accuracy and precision compared against established specifications; recommended, and implemented corrective action where necessary
- Successfully took on the challenge of analyzing a 120% increase in lab samples
- Reduced the analysis time for HPLC azole method by 130%
- Team lead of 3 chemists

Research Associate | RCUOG

September 2016 — April 2019

- Teamed with 2 researchers in successfully identifying pro-inflammatory molecules involved in Areca nut carcinogenesis, using HPLC fractions (doi: [10.1038/s41598-017-18996-2](https://doi.org/10.1038/s41598-017-18996-2))
- Contributed to leading-edge Areca nut carcinogenicity data; compiled, analyzed, and interpreted results leading to 1 publication, and Areca nut intervention studies with Guam Cancer Research Center
- Presented data to community at conferences and developed further studies and experimental designs to address similar research concerns

Research Lab Assistant | PITT Dept. Biological Sciences

September 2011 — April 2013

- Enhanced quantitative and qualitative analyses, such as sampling, testing, and measuring using specialized equipment, shaving 10% off analysis times
- Conducted DNA miniprep (purification) experiments with drosophila DNA with minimal supervision, followed experimental protocols

COURSES

Data Science Bootcamp, Practicum US

2022 — 2023

EDUCATION

M.S. Biology, University of Guam

August 2016 — April 2019

NIH/U54 Scholar

B.S. Biology, University of Pittsburgh, Pittsburgh

August 2010 — April 2015