

# JASON DO

Data Analyst | [Jasondo082@yahoo.com](mailto:Jasondo082@yahoo.com) | (626)-372-0969 | [LinkedIn](#) | [GitHub](#) | El Monte, CA

## TECHNICAL SKILLS

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**Programming Languages:** Python (Pandas, NumPy, SciPy, Scikit-learn, SQLite3, BeautifulSoup), SQL

**Data Visualization:** Excel, Google Sheets, Tableau, Looker Studio, Matplotlib, Seaborn, Folium

**Others:** Excel, Google Sheets, VLOOKUP, Pivot Tables, Statistical Analysis, A/B Testing, Data Cleaning, Data Manipulation, Data Mining, Data Visualization, Machine Learning

## PROJECTS

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### New York Airbnb Analysis | [GitHub](#)

- Assessed New York neighborhoods and presented the top 10 most popular neighborhoods by market share using pivot tables
- Formulated the occupancy rates for each day of the week and reported Fridays and Saturdays are occupied at about 80% rate
- Implemented a discount cash flow model to calculate the intrinsic value of the property at the time of analysis

### Nurse Staffing Analysis | [GitHub](#)

- Discovered the entire nurse contractor market only comprises about 3% of the total nursing hours worked
- Detected a market discrepancy between CNA and LPN roles assessing a possible 9x increase in the CNA contractor market
- Uncovered the top 10 states in daily facility residents comprised over 96% of the total daily residents of the US using Tableau

### Credit Card Fraud Machine Learning Model | [GitHub](#)

- Administered and trained 4 different machine-learning models to detect fraudulent credit card transactions using Python
- Identified the random forest model as the optimal machine learning model which reported a 99.9+% accuracy score
- Verified the random forest model by passing a sanity check reinforcing its position as the optimal model for detecting fraud

### Secondary Market Automobile Sales Analysis | [GitHub](#) | [Web App](#)

- Designed API with 7 different metrics visuals derived from the 5 most observed consumer questions when purchasing a vehicle
- Structured the web application interface to a minimalistic diagram for ease of user understanding across all demographics
- Constructed a customer interactive segment to compare 2 car manufacturers to enhance customer engagement on the app

## WORK EXPERIENCE

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### Freelance Data Analyst

May 2024 – Current

Self-Employed | Remote

- Coordinated with clients to identify prime metrics from 2000+ transactions data and improve data-driven marketing strategies leading to a 4% increase in customer conversion using Excel, SQL, and Python
- Utilized Python to clean raw files to reduce data usage by up to 20% by removing redundant and unreadable data
- Developed Python queries to analyze data to build interactive Tableau dashboards for business insights

## EDUCATION

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### University of Redlands

Bachelor of Science, Business

Redlands, California

GPA: 3.637

### TripleTen School of Data Science

Data Analytics Professional Training Program | [Certificate of Completion](#)

Remote

## CERTIFICATIONS & LICENSES

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**Tableau:** Tableau Desktop Specialist | [Certification](#)

**Coursera:** IBM Data Analyst Professional | [Certificate](#)

**Google Analytics Academy:** Google Analytics for Beginners | [Certificate of Completion](#)

**Dassault Systèmes:** Associate in Mechanical Design | [Certification](#)