CONTACT

✉ bryantalavera.gomez@gmail.com

📍 San Diego, California

🌐 Portfolio https://bryan-tal.github.io/react-portfolio/

Tableau https://public.tableau.com/app/profile/bryan.talavera/vizzes

LinkedIn https://www.linkedin.com/in/bryan-t-163001290/

EDUCATION

2024

GOOGLE CAREER CERTIFICATE

- Advanced Data Analytics

2024

UC SAN DIEGO

- B.S. Data Science
- Minor in Cognitive Science

SKILLS

Programming & Scripting:

Python, JavaScript, HTML/CSS, SQL

Databases: SQL, MS SQL Server, SQLite, PostgreSQL

Machine Learning & Data Analysis:

Linear/Logistic Regression, Naive Bayes, Decision Trees, Random Forest, AdaBoost, XGBoost, NumPy, Pandas, SciPy, Scikit-learn

Version Control & DevOps: Git, Docker

Data Visualization & Reporting:

Tableau, Matplotlib, Seaborn, Microsoft Excel

Productivity & Collaboration:

Microsoft Office (Word, Excel, Outlook, PowerPoint)

LANGUAGES

English (Fluent)
Spanish (Intermediate)

BRYAN TALAVERA

DATA SCIENTIST

SUMMARY

Driven and detail-oriented data professional with hands-on experience in **Python**, **data visualization**, and **statistical analysis**. Completed the **Google Advanced Data Analytics Certification**, including **random forest** and **XGBoost**, to solve real-world problems such as **predicting employee churn** and **classifying generous taxi tippers** using NYC trip data. Skilled in **data cleaning**, **integration**, and **dashboard development** using tools like **React** and **AWS**, with a strong foundation in **machine learning**, **programming**, and **database management**. Passionate about transforming data into **actionable insights** through collaboration, curiosity, and continuous learning. **Fluent in English, conversational in Spanish**.

PROJECTS

Data Analytics Projects

2024

- Predicting Generous Rider Gratuity:
  - Built **Random Forest** and **XGBoost models** to classify **generous tippers (>20%)** using **2017 NYC yellow taxi trip data**.
  - The final **XGBoost model** achieved **83.2% accuracy** and **82.3% precision**, identifying key tipping indicators.
  - Most influential features included **VendorID**, **fare amount**, and **total trip cost**.
  - Completed as part of the **Google Advanced Data Analytics Certification**.
- Predicting Employee Churn:
  - Built **decision tree, random forest, and XGBoost models** to predict **employee attrition** using **HR-provided data**.
  - The final **Random Forest model** achieved **98.2% accuracy, 98.3% precision, 90.9% recall, and 90% AUC**.
  - Key predictors included **satisfaction level, average monthly hours worked**, and **evaluation score**.
  - Completed as part of the **Google Advanced Data Analytics Certification**.

UC San Diego Capstone Project
Med-Dash

09/2023 - 03/2024

- Developed a **personalized, interactive dashboard** for patients to **visualize and monitor daily health metrics** using data from the **Vital API**, supporting **self-awareness and patient-centered care**.
  - Led **data cleaning, processing, and visualization** efforts using **MongoDB, AWS, and React ECharts** to ensure **accuracy and real-time responsiveness**.
  - Designed and implemented a **user-friendly interface** featuring **goal tracking and date selection** to view dynamic health insights.
  - Managed **Git version control** to streamline **collaborative development** and maintain consistent project tracking.