

David Jian

Data Analyst

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Skills

- **Data Analysis & Visualization:** SQL, Excel (Pivot Tables, VLOOKUP, Power Query), Tableau, Python (Pandas, NumPy, Matplotlib, Scikit-learn), Business Intelligence (BI), Automation, Workflow optimization, KPIs / Metrics tracking
- **Data Management:** ETL, Data Cleaning & Transformation, Databases (MySQL, SQLite, MongoDB), API Integration, Web Scraping, Data Modeling, Data Pipelines
- **Statistical & Predictive Modeling:** Regression, Classification, Clustering, Hypothesis Testing, A/B Testing, Forecasting/Predictive Analytics
- **Tools & Platforms:** Jupyter Notebook, GitHub, AWS, VBA, HTML/CSS, GCP, AZURE, AI Tools
- **Professional Skills:** Business Intelligence, Reporting, Dashboard Development, Communication & Collaboration

Projects

Diabetes Risk Predictor (Logistic Regression | Flask | Tableau)

- Built and optimized a logistic regression model with feature scaling and hyperparameter tuning to predict diabetes risk.
- Developed an interactive Flask web app for real-time patient risk assessment.
- Designed Tableau dashboards to visualize key risk factors for stakeholders.

Sales Performance Dashboard (Python | SQL | Tableau)

- Created interactive dashboards to track sales trends, KPIs, and product subcategories with drill-down filters.
- Cleaned and transformed raw datasets using Python, SQL, and Excel for accurate visualization.
- Enabled year-over-year performance monitoring and actionable insights for stakeholders.

Hospital Services & Ratings Analysis (PostgreSQL | Python | Tableau)

- Structured hospital data with SQL queries to analyze ratings, ownership, and regional service availability.
- Published a Tableau dashboard to compare hospital services and rating distributions across U.S. regions.

Customer Churn Prediction (Logistic Regression | Tree Models | EDA)

- Conducted exploratory data analysis and feature engineering on telecom customer usage and demographics.
- Built churn prediction models (logistic regression, decision trees) achieving high accuracy and AUC.
- Provided recommendations for reducing churn through data-driven insights.

Work Experience

Medical Records Assistant | Canyon Springs Post Acute – Skilled Nursing Facility (SNF) | *Mar 2024 – Present*

- Maintained accurate and compliant patient records in PointClickCare (PCC), ensuring HIPAA standards.
- Built and managed Excel trackers for admissions, discharges, and documentation workflows.
- Generated compliance reports and logs to support audits and improve cross-department communication.

Education

UCI Data Analytics Bootcamp | *Sep 2024 – Mar 2025*

- Certificate in Data Analytics with training in Python, SQL/NoSQL, VBA, ETL, machine learning, and data visualization (Tableau, Python).
- Completed hands-on projects in predictive modeling, big data, and interactive dashboards.

San Jose State University | B.S. Chemistry, Concentration in Biochemistry | *2018 – 2023*

- Coursework: Data Analysis & Interpretation, Quantitative & Qualitative Analysis, Experimental Design, Data Cleaning