

JAMES AFSHAR-RITTER

DATA ANALYST

Motivated, eager and capable Data Analyst with excellent communication skills. Seeking to leverage technical knowledge of data analytics to improve corporate performance and guide decision-making. Proven experience with Big Data Technologies like AWS and PySpark, Data Visualization with Tableau, Machine Learning with SK-Learn and Imb-Learn, Neural Networks and Deep Learning with TensorFlow. Trilingual in English, Spanish, and Farsi.

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TECHNICAL AND PROJECT MANAGEMENT SKILLS:

Data Management	Database Design & Management, Data Quality Assessment, ETL, Data Analysis, Trend Identification, Statistical Profiling, Big Data Technologies, Data Visualization, APIs, Supervised/Unsupervised Machine Learning, Neural Networks & Deep Learning
Computer Science	Python: Pandas, NumPy, Matplotlib, CitiPy, Requests API, Tkinter, SQLAlchemy, SK-Learn, Imb-Learn, TensorFlow SQL: MySQL, PostgreSQL/PGAdmin14, MS SQL Server, MS Access, SQLite HTML/CSS, JavaScript: ES6+, Plotly, Bootstrap, JSON, Synaptic, D3 Tableau, Excel & VBA, Mongo DB, Mathematica, MATLAB, RxConnect, Dentrinx, OpenDental, MS Office
Project Management	Lean Six Sigma Methods, SAP, Agile, FMEA, CBA, WBS, Issue Logging, Training, Implementation, Control & Response Planning, Performance Monitoring

WORK EXPERIENCE:

IT & Informatics Specialist

Country Club Dental – Cameron Park, CA

June 2021 – August 2022

- Improved network performance by over 300% through a complete network redesign that removed bottlenecks & single points of failure.
- Reduced patient checkout times by over 30% by developing custom Python-based widgets allowing staff members to efficiently search for dental procedures and their respective fees by their common names.
- Uncovered over \$45,000 in missing or outstanding payments through consistent auditing using VBA-enhanced Excel spreadsheets.
- Created and maintained Tableau dashboards to track quarterly clinician performance and guide
- Eliminated inventory blackouts through practice-specific automation systems.

Math & Science Instructor

Elite Educational Institute – Irvine, CA

February 2019 – August 2020

- Oversaw curriculum development for AP Chemistry and SAT Chemistry test-prep courses, used by other instructors.
- Instructed weekly AP Chemistry, SAT Chemistry, and ACT Math & Science test-prep courses to over 200 students.
- Decreased student absentee rate through by ensuring a non-threatening and fun learning environment.
- Recognized as “Teacher of the Year” in 2019 and 2020.

Pharmacy Technician – Inventory Management Specialist

CVS Pharmacy – Trabuco Canyon, CA

November 2018 – March 2019

- Reduced ordering errors by over 200% through effective data entry and management
- Provided ongoing technical support, while entering and filling prescriptions under Pharmacist supervision

Research Assistant

UC Irvine School of Medicine – BRoAD Lab – Irvine, CA

June 2016 – January 2019

- Collected, analyzed, visualized, and interpreted clinical data.
- Developed and followed SOPs to conduct research assessments on participants; assisted with administration of functional MRI assays.
- Organized paperwork for submission to the Institutional Review Board; recruited research participants through community outreach events.

Fraternity President

Alpha Sigma Phi Fraternity – Eta Epsilon Chapter – Irvine, CA

November 2015 – November 2016

- Founded Eta Epsilon Chapter at UC Irvine and oversaw chartering process
- Increased Recruitment three-fold through student-outreach events and fundraisers

EDUCATION

Bachelor of Science in Pharmaceutical Sciences

University of California, Irvine – Class of 2019

Certificate in Data Analytics

University of California, Berkeley – February 2023

PROFESSIONAL CERTIFICATIONS

PCEP – Certified Entry-Level Python Programmer

Python Institute, OpenEDG – February 2023 (in Progress)

PCAP – Certified Associate Python Programmer

Python Institute, OpenEDG – February 2023 (in Progress)