**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 S3/RDS 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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| **afsharritter@gmail.com** | **949.734.9663** | **linkedin.com/in/afsharritter** | **github.com/afsharritter** |

**Technical and Project Management Skills:**

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| **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, PySpark, SK-Learn, Imb-Learn, TensorFlow  SQL: MySQL, PostgreSQL/PGAdmin14, MS SQL Server, MS Access, SQLite, AWS RDS  HTML/CSS, JavaScript: ES6+, Plotly, Bootstrap, JSON, Synaptic, D3  Tableau, Excel & VBA, Mongo DB, Mathematica, MATLAB, RxConnect, Dentrix, 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:**

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| **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**

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| **Bachelor of Science in Pharmaceutical Sciences** | **Certificate in Data Analytics** |  |
| University of California, Irvine – Class of 2019 | University of California, Berkeley – February 2023 |  |

**Professional Certifications**

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| **PCEP – Certified Entry-Level Python Programmer** | **PCAP – Certified Associate Python Programmer** |
| Python Institute, OpenEDG – February 2023 (in Progress) | Python Institute, OpenEDG – February 2023 (in Progress) |
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