SARAH AMIRASLANI

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SUMMARY

Results-driven data science professional with 4+ years of experience in data analytics and machine learning. Skilled in creating innovative solutions and leading projects that boost client engagement, optimize operations, and drive business growth across diverse industries.

PROFESSIONAL EXPERIENCE

Wells Fargo Bank, N.A. — San Francisco, CA
Quantitative Analytics Specialist — Nov 2022 - May 2024
Data Management Analyst — Apr 2022 - Nov 2022

- Led AI/ML developer relations for 500+ data scientists, improving model development efficiency by 60% and enhancing developer experience by 20%, accelerating deployments and yielding financial gain.
- Directed AutoML and on-premises data science platform services, increasing tool utilization by 150% and user engagement by 500%, while enhancing vendor relations and addressing tooling gaps.
- Authored 400+ technical articles and webpages, hosted 90 office hours with 50+ attendees each, and developed comprehensive code samples, improving AI/ML documentation quality by 300%.
- Partnered with stakeholders to reduce model time-to-market by 20%, generating $1M in value through optimized workflows.

Changing Room, INC. — Remote
Data Science Intern — Sept 2022 - Apr 2022

- Developed data mining and ETL pipelines, scraping and storing 100,000+ fashion brand items in optimized databases using Python and SQL, creating high-quality machine learning training data.
- Collaborated with developers and UX engineers to create an AI-driven recommendation system, promoting sustainable and ethical shopping via a Chrome plugin.

Trackonomy Systems, INC. — San Jose, CA
Data Analyst — Feb 2021 - Sept 2022

- Developed an OpenCV-based computer vision system for manufacturing quality testing, reducing material waste by $115,000 annually and increasing production efficiency by 65%.
- Designed a Python-based GUI for Raspberry Pi devices and a Plotly dashboard, enhancing data collection consistency by 200% and enabling real-time product tracking.
- Conducted exploratory ad-hoc analysis to identify manufacturing bottlenecks, reducing downtime by 30%.

University of California, San Diego — San Diego, CA
Research Assistant — Dec 2017 - Feb 2021
Instructional Assistant — Aug 2019 - Jan 2020

- Analyzed psychometric data to identify risk factors for eating disorders among juvenile delinquent girls, revealing the relationship between traumatic experiences and potential support structures; secured $5,000 in research funding.
- Designed and conducted quantitative experiments to evaluate STEM instructional methods among a cohort of 400 university students, resulting in novel findings that improved comprehension by 20% compared to control groups.
- Led lessons, office hours, and study sessions for introductory Python programming courses, enhancing student morale towards computational thinking by 15% and earning high student ratings.

EDUCATION

University of Michigan, Ann Arbor — 2021-2024
MS, Applied Data Science — GPA: 3.8

- Coursework: Math Methods, Database Management, Data Processing, Data Analysis and Statistical Modeling, Data Visualization, Big Data Systems, Data Mining, Machine Learning, Deep Learning, Natural Language Processing, AI Ethics

University of California, San Diego — 2017-2020
BS, Cognitive Behavioral Neuroscience with Honors, Magna Cum Laude — GPA: 3.9

- Coursework: Calculus, Statistics, Linear Algebra, Advanced Research Methods, Data Structures and Algorithms

SKILLS & TOOLS

Programming Languages: Python, R, Javascript, HTML
Data Science & ML: Scikit-learn, XGBoost, TensorFlow, PyTorch, Driverless AI, DataRobot, Vertex AI, GenAI
Data Engineering: PySpark, SQL, MySQL, PostgreSQL, BigQuery, Airflow, Databricks
Tools & Platforms: GCP, Docker, Git/GitHub, Unix/Linux, Tableau, Power BI, Looker, SPSS, Kubernetes, JavaScript