SARAH AMIRASLANI

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SUMMARY

Dynamic Data Science professional with an extensive background in leveraging machine learning, data analytics, and AI to enhance strategic growth and operations across finance, technology, and research sectors. Determined to deliver innovative solutions and insights that enhance decision-making and drive business success.

PROFESSIONAL EXPERIENCE

Wells Fargo Bank, N.A.   **San Francisco, CA, USA**
Quantitative Analytics Specialist   *November 2022 - Present*
- Strategically managed and oversaw all AutoML platform services at the bank (DriverlessAI and DataRobot), increasing tool utilization by 150%, strengthening vendor relationships which led to the onboarding of new tools, and boosting community engagement by 500%.
- Spearheaded educational initiatives by authoring 300+ technical articles, conducting workshops, and crafting demo applications, which collectively enhanced documentation quality by 150% and boosted tool adoption among model developers by 40%.

Wells Fargo Bank, N.A.   **San Francisco, CA, USA**
Data Management Analyst   *April 2022 - November 2022*
- Served as the critical liaison among model developers, technology partners, and business units, cutting time-to-market for models by [X]% and creating $[Y] in value.

Changing Room, INC.   **Remote**
Data Science Intern   *October 2021 - April 2022*
- Developed and optimized Selenium web drivers to automatically scrape over 100,000 inventory items from leading fashion brands, integrating the data with engineering ETL pipelines to generate high-quality training datasets for recommendation algorithm development.
- Collaborated with cross-functional teams to develop an AI-driven recommendation system, delivered through a Chrome plugin, allowing consumers to assess the environmental impact of their purchases and select more sustainable alternatives.

Trackonomy Systems, INC.   **San Jose, CA, USA**
Data Analyst   *February 2021 - September 2021*
- Developed an innovative computer vision system using OpenCV for pre-production quality testing, reducing material waste by $115,000 annually, increasing savings, and alleviating production bottlenecks to improve overall manufacturing efficiency.
- Designed and launched a Python-based GUI across Raspberry Pi devices in the production line, boosting data collection and anomaly detection capabilities, thereby increasing production efficiency by 65% and elevating product quality.

University of California - San Diego   **La Jolla, San Diego, CA, USA**
Undergraduate Research Assistant   *December 2017 - February 2021*
- Applied statistical modeling using R and SPSS to analyze the relationship between early traumatic experiences and eating disorders among juvenile delinquent girls, enhancing predictive models for early intervention. This research earned the Chancellor's Undergraduate Research Scholarship and secured $5,000 in lab funding.
- Designed and executed quantitative experiments on 500+ university students to evaluate instructional methods in STEM education, significantly enhancing students' comprehension and earning departmental accolades for educational innovation.

PROJECTS & OUTSIDE EXPERIENCE

In-Situ Properties of Solar Wind   **Remote**
- Collaborated with the Climate and Space Sciences Engineering department at the University of Michigan to map solar wind in-situ properties to their origin in the sun and to better understand the differences among categories of solar wind caused by their different solar origins.

EDUCATION

University of Michigan - Ann Arbor   **January 2021 - May 2024**
Master's, 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, Supervised and Unsupervised Machine Learning, Deep Learning, AI Ethics

University of California - San Diego   **September 2017 - June 2020**
Bachelor's, Cognitive Behavioral Neuroscience   *GPA: 3.9*
- Magna Cum Laude, Revelle College Provost Honors, Departmental Honors
- Coursework: Calculus, Probability, Statistics, Linear Algebra, Advanced Research Methods, Data Structures and Algorithms

SKILLS

Technical: Python, PySpark, Git, HTML, CSS, Javascript, R, SQL, MySQL, Postgres, Big Query, Google Cloud Platform, Tableau, Power BI, SPSS, JMP, DriverlessAI, DataRobot
Languages: French, Spanish, Farsi