

RYAN FARHAT-SABET

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PROFESSIONAL EXPERIENCE

Business Manager

Sep 2023 - Present

CAPITAL ONE | McLean, VA

- Upgraded the device identification model to authorize more users to authenticate digital payments without overtly challenging them, reducing friction and streamlining the customer experience while maintaining fraud coverage and increasing profitability by \$8.7M
- Identified malicious bot activity through regular anomaly monitoring based on a deep understanding of risk assessment data patterns, allowing product owners to shift traffic to step up verification methods with tighter security and creating new rule logic to better prevent bad actors from passing our defenses
- Analyzed fraud impact of Customer Identity initiatives on both bank and card products, clearly visualizing a 1.5bps decrease year over year in both fraud rates and losses and presenting findings to larger forum of VP-level stakeholders

Senior Data Analyst

May 2020 - Sep 2023

THE WASHINGTON POST | Washington, DC

- Managed native app analytics and oversaw new product features in tandem with product managers and developers, leading to a 20% increase in app usage and stickiness; won an internal award specifically for analysis work on an initiative to unify all apps into one unified experience, debugging new features and AB testing for which ones to fold into the improved app
- Led the implementation of all 3rd party alternate platform analytics and built database solutions and Python scripts to enable reliable data reporting from their APIs, clearly surfacing insights to stakeholders that would inform newsroom and product strategy and enabling contract negotiations saving over \$100,000/year
- Supported our machine learning team to build a Propensity to Subscribe model boosted trees model and launched a campaign sending targeted subscription offers to identified bucketed cohort users, resulting in an over 50% bump in subscription conversion rate and communicating to Newsroom and Subscription leadership in non-technical terms what parameters influence subscription behavior
- Spearheaded internal company analytics trainings and office hours, creating curriculum for and teaching a monthlong class on data structures and SQL and training over 200 employees in our suite of analytics tools and Tableau dashboards
- Built tracking and documentation for new site and app features as a technical data lead, writing engineering tickets, standing up dashboards, and conducting pre-post launch analyses to measure impact on user journey behavior, user engagement, and recirculation

Data Analytics Consultant

Sep 2019 - May 2020

CAPTECH | Reston, VA

- Piloted initial research on digital solutions for large education manufacturer, conducting competitive analysis on emerging trends and identifying viable solutions rooted in facial recognition and image classification to C-suite leadership, leading to nationwide prototype rollout
- Coordinated internal effort with office leadership to build tool using Azure cloud services, SQL databases, and Power BI dashboards to assist with staffing of more than 200 consultants, decreasing turnaround time for client staffing decisions and increasing consultant utilization
- Pursued additional trainings and certifications for in-demand technologies, including SQL, machine learning in Python, data visualization in Tableau and Power BI, Apache Spark, and Microsoft Azure and AWS

EDUCATION

Bachelor of Science in Business Administration

Graduated: May 2019

WASHINGTON UNIVERSITY, OLIN BUSINESS SCHOOL | St. Louis, MO

Majors: Economics and Strategy, Healthcare Management, Minor: Music

Overall GPA: 3.90/4.00

- Magna Cum Laude, Dean's List 8 semesters
- Relevant coursework: Linear Algebra, Statistics, Data Analytics in Python, Machine Learning Tools for Prediction of Business Outcomes, Calculus III, Differential Equations, Econometrics, Game Theory

Honors in Management Senior Thesis

- Transformed more than 28 million Chicago parking tickets and matched that information with police data pulled from FOIA requests, creating a methodology to infer the race and patrol beat maps of a ticketing officer
- Conducted dif-in-dif analysis to determine statistical significance of parking ticket discrepancies between police officers of different races in neighborhoods of varying racial composition
- Isolated police biases in ticketing behavior through a fixed effects linear model, analyzing discrimination with regards to a neighborhood's racial majority, crime rate, and median income

OTHER EXPERIENCES

Computer Languages

- *Proficient:* Python, R, SQL, Tableau, Google Analytics Suite, Snowflake, Redshift, Hive, AWS, Microsoft Azure (Azure Cloud Fundamentals certification)
- *Familiar:* Apache Spark, Airflow, Git, Postman, BigQuery, Power BI

Language Skills

- Conversational Farsi

Musician

- Current singer in The Washington Chorus, previous singer in the Washington University Chamber Choir and Sensasians A Cappella
- Jazz pianist

Residential Advisor

- Mentored and advised 100 freshmen through educational floor programs and community engagement as they navigated college
- Completed 100+ hours of training on leadership, conflict management, and diversity awareness

Professional Organizations

- Phi Gamma Nu Professional Fraternity
- Washington University Consulting Association