Mona Khalil

Senior Manager, Data Science

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Profile

Data Science manager with a track record of developing high-performing teams, executing on strategic initiatives, and collaborating with a wide variety of stakeholders. Experienced in developing & executing end-to-end machine learning projects, A/B testing programs, & product analytics roadmaps. Published author, public speaker, and educator on analytics, data literacy, and data science ethics.

Skills

<u>Methods</u>: A/B testing, causal modeling, machine learning, end-to-end model development, product analytics, recommendations, forecasting, multivariate statistics
<u>Languages/Tools</u>: SQL, Python, R, Argo, Airflow, Tableau, Mode, Looker, Hex, dbt, Redshift, Snowflake, Fivetran
<u>Management</u>: Performance management, OKR planning, headcount planning & hiring, managing managers

Experience

SENIOR MANAGER OF DATA SCIENCE, GREENHOUSE SOFTWARE   SEPT 2021 - PRESENT

• Led the development and education initiatives for semantic search technology
• Spearheaded internal efficiency initiatives leveraging generative AI
• Supervised the development of machine learning models to extract, standardize, and classify high-value data
• Led the evaluation, acquisition, and onboarding of a machine learning startup and its employees
• Grew and split the Data Science team into Product Data Science and Applied Machine Learning

SENIOR DATA SCIENTIST, GREENHOUSE SOFTWARE   JULY 2019 - SEPT 2021

• Led the development, testing, and validation of company metrics
• Established A/B testing and experiment protocols within R&D
• Trained and deployed customer churn, expansion, and contraction prediction models
• Formed and facilitated company-wide data ethics committee

DATA SCIENCE PRODUCT MANAGER, DATACAMP   SEPT 2018 - MAY 2019

• Managed SQL, data modeling, and mathematics curriculum roadmaps
• Conducted A/B tests to improve course names and descriptions for SEO, increasing landings by 10%
• Created reporting metrics for curriculum team performance monitoring

RESEARCH SCIENTIST, NEW YORK CITY HOUSING AUTHORITY   JUL 2017 - AUG 2018

• Developed algorithm to predict waitlist times for public housing applicants
• Predicted daily resident heating complaints, saving on fuel and labor costs
• Developed algorithm and a geospatial tool to identify and remove hot-spots of vermin in public housing

Education

Baruch College, CUNY — M.S. Statistics, est. 2025
Fordham University — M.A. Applied Developmental Psychology, 2016