MONA KHALIL

DATA SCIENCE MANAGER

CONTACT
monakay@protonmail.com

FIND ME
mona-kay.github.io
LinkedIn
Twitter

SKILLS
Expertise:
- Experiments
- Causal modeling
- Supervised ML
- End-to-end model development
- Metric development

Experience:
- Forecasting
- Recommendations
- Bayesian modeling

Tools & Things:
- Argo + Airflow for ETLs
- BI & analysis tools (Tableau, Mode, Looker, Hex)
- dbt + Kimball methods
- Redshift + Snowflake
- AWS tools (Sagemaker, Athena)

Languages:
SQL, Python, R

PROFILE
Data Science Manager with a consistent record of strategic planning, stakeholder management, and individual contributor mentorship & growth. Experienced in developing and executing successful AI/ML, experimentation, and product analytics initiatives.

EMPLOYMENT

Data Science Manager, Greenhouse Software   Sept 2021 - Present
- Oversaw machine learning, experimentation, & product analytics roadmap
- Developed and executed on 3-year strategy, growing headcount from 2 to 9 and a split into 2 teams (Product Intelligence, Customer Data Products)
- Designed career ladders for Product Analyst and Data Scientist roles
- Supervised the development of internal and customer-facing ML solutions
- Supported the growth, performance, and internal mobility of current and aspiring team members
- Supervised tech stack audit and migration to new BI + analytics tools
- Supervised the successful evaluation, acquisition, and onboarding of a machine learning startup and its' team members
- Evangelized initiatives of the broader data practice by launching a newsletter, knowledge repository, and business-facing documentation

Senior Data Scientist, Greenhouse Software   July 2019 - Sept 2021
- Formed and trained members of company-wide data ethics committee
- Trained and deployed customer churn prediction model
- Led the development, testing, and validation of company metrics
- Established A/B testing and experiment protocols for product engineering

Data Science Product Manager, DataCamp   Sept 2018 - May 2019
- Managed SQL, data modeling, and mathematics curriculum roadmaps
- A/B tested course descriptions for SEO, increasing course landings by 10%
- Created reporting metrics for curriculum team performance monitoring
- Developed Intermediate SQL course and delivered popular SQL webinar

Research Scientist, New York City Housing Authority   Jul 2017 - Aug 2018
- Developed algorithm to predict waitlist times for public housing applicants
- Identified areas for new safety training by predicting rates of injury using K-means clustering
- Predicted daily resident heating complaints with a regression model, saving on fuel and labor costs
- Developed algorithm and geospatial tool to track vermin in public housing

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Data Analyst, **People's Preparatory Charter School**   **Aug 2016 - May 2017**

- Saved hours of weekly planning using k-means clustering predict student tutoring needs
- Built Tableau dashboards for teachers and administrators to assess student performance trends
- Designed, analyzed, and presented results of impact evaluation on internship program

CONFERENCE TALKS/PRESENTATIONS

ODSC East   April 2022

Topic: Leveling up your organization's capacity for data-informed decisions

NYC School of Data   March 2022

Topic: Responsible use of demographic information

TEACHING / CONSULTING

Emeritus Institute of Management   2019 - Present

- Curriculum designer, tester, and subject matter expert for multiple courses on business analytics, machine learning, and deep learning
- Course leader, *Data Science for Business Decision-Making*

AI+ (ODSC's Data Science Training Platform)   2020

- Developed code & video recordings for *SQL Bootcamp for Data Science* and *Complete Python Fundamentals* courses

EDUCATION

Baruch College, CUNY — M.S. Statistics   In progress

Fordham University — M.A. Applied Developmental Psychology   2016

Baruch College, CUNY — B.A. Psychology   2013