

Sepehr Sadighpour

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EXPERIENCE

Omada Health, San Francisco — *Data Scientist*

APRIL 2016 - PRESENT

Conducted sensitivity analysis on revenue to prioritize product features

Oversaw data science research efforts, including in areas such as chatbots and multi-armed bandits

Design, deploy, and analyze A/B tests in collaboration with designers, content, and engineers

Built ETLs with Airflow, Jenkins, and Docker (for advanced transforms)

BayThrive, San Francisco — *Owner, Analyst, Project Manager*

January 2010 - October 2015

Increased web traffic 20x and quadrupled conversion rates for biotech sales and services firm by combining UX with analytics

Built heuristic for identifying crowd-effects for financial research firm by generating and analyzing stochastic data in MATLAB

Mepkin Abbey, Moncks Corner, SC — *Technical Advisor*

June 2008 - June 2009

Helped the Trappist monastery kick-start a culinary mushroom business by directing online marketing efforts and ecommerce

EDUCATION

Galvanize University, San Francisco, CA — *Data Science Fellow*

October 2015 - January 2016

Built a webapp for discovering similar Arxiv articles using distributed representation of paragraphs

Duke University, Durham, NC — *B.S. in Physics*

September 2003 - June 2008

Modeled quantum systems using neural networks with genetic algorithms for hyperparameter optimization

Researched statistical properties of granular material and presented at APS

SKILLS

Python - Pandas, scikit-learn+scipy, [Lime](#) (for explaining models), web scraping

R - tidyverse, ggplot, modelr

SQL - query optimization, PostGIS

Interactive data visualization with Shiny, Plotly, D3

Microservice design and deployment on AWS with Flask and Docker

NLP: Spacy, Gensim, WordNet, NLTK, and fastText for text classification, word and paragraph vectorization, semantic equivalence, sentiment analysis

Vowpal Wabbit for contextual multi-armed bandit training and cost-sensitive classification

Unix - git, bash, server setup and provisioning