

# Sepehr Sadighpour

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San Francisco, CA

## EXPERIENCE

### **Omada Health, San Francisco — Data Scientist**

APRIL 2016 - PRESENT

Expanded our A/B testing capabilities to include real-time events and mobile notifications, resulting in ~6% lift in user engagement

Drove mobile product prioritization by identifying and quantifying the effect of mobile preference on revenue as an age-independent dimension

Championed the adoption of Airflow as an ETL solution and wrote DAGs to orchestrate data migration to Redshift-backed data warehouse

Managed data science team's research efforts in areas such as chatbots, image recognition, and contextual multi-armed bandits

### **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 through iterative data-driven design

Developed heuristic to identify crowd-effects for financial research firm by generating and analyzing stochastic data

### **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 vectorization and classification

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

Unix - git, bash, server setup and provisioning