SEPEHR SADIGHPOUR

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Creative and motivated data scientist with experience in supervised and unsupervised learning techniques. I am interested in understanding human behavior via data.

EDUCATION

10.2015 – 01.2016

GALVANIZE UNIVERSITY
Data Science Fellow

- (Capstone Project) SciExplorer: Web app that relates scientific papers based on topic similarity to aid interdisciplinary research.

09.2003 – 06.2008

DUKE UNIVERSITY
BS in Physics

- Modeled quantum systems using neural networks and genetic algorithms in MATLAB.

WORK HISTORY

01. 2010 – 10.2015

BAYTHRIVE
Owner, Analyst, Project Manager

- Built heuristic for identifying crowd-effects for financial research firm by generating and analyzing stochastic data in MATLAB.
- Increased web traffic 20x and quadrupled conversion rates for biotech sales and services firm by combining UX with analytics.

06. 2008 – 06. 2009

MEPKIN ABBEY
Technical Advisor

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

06. 2007 – 05.2008

DUKE UNIVERSITY NONLINEAR DYNAMICS LAB
Research Assistant

- Tested probabilistic models against experimental data.
- Presented published results at APS conference (slides).

SKILLS

Engineering: Linux command line, AWS/EC2/S3, Flask/Django, SQL/MongoDB.

Python: Pandas, NumPy, scikit-learn, h2o, TensorFlow (beginner).

Stats + Machine Learning: logistic regression, linear regression, SVM, decision trees, clustering, PCA, matrix factorization, recommendation systems.

Natural Language Processing: information retrieval using distributed representation, topic extraction, sentiment analysis, LDA.