

SEPEHR SADIGHPOUR

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

EDUCATION

- | | |
|-------------------|---|
| 10.2015 – 01.2016 | GALVANIZE UNIVERSITY
Data Science Fellow <ul style="list-style-type: none">▪ (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 <ul style="list-style-type: none">▪ Modeled quantum systems using neural networks and genetic algorithms in MATLAB. |

WORK HISTORY

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|---------------------|---|
| 01. 2010 – 10.2015 | BAYTHRIVE
Owner, Analyst, Project Manager <ul style="list-style-type: none">▪ 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 <ul style="list-style-type: none">▪ 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 <ul style="list-style-type: none">▪ 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.