

NAZGOL MOSHTAGHI

SUMMARY

Data Scientist - I create and deliver data-driven solutions drawing upon my experience in coding marketing, and business.

CONTACT

✉ nazgol@moshtaghi.com
🌐 www.moshtaghi.com
☎ 5129819661
📍 New York
🏠 edwood1

EDUCATION

Stevens Institute of Technology
Masters of Computer Science 2014

University of South Florida
PhD. Candidate 2010

Sharif University of Technology
MBA 2005

EMPLOYMENT

Galvanize Data Science Immersive

San Francisco - CA

Apr 2015 to Jul 2015

12 week immersive data science program covering supervised/unsupervised machine learning and NLP, Big Data pipelining and visualization. Projects included:

- Capstone: Developed a model to identify health inspection score of Boston restaurants based on Yelp reviews.
- Fraud Detection: Given sales data, built a classifier to detect fraud, made predictions from streaming data on a remote server, deployed as a web app using Flask.
- Scraping, K-means clustering, and topic modeling of 500,000 Wikipedia articles, using Spark and AWS
- Ride-Share Churn: Predicted churn in new users at a ride-sharing company. Analyzed RF and Ada Boost parameters to inform business policies that could increase new user retention
- Movie Ratings Prediction: Built movie recommender by implementing matrix factorization on a large, sparse ratings dataset to predict a user's ratings of movies. Model controlled for each user's and movie's ratings individual biases, and defaulted to popular movies when users had very few ratings.

Stevens Institute of Technology

Hoboken, NJ

Research Fellow

2011 to 2013

The Smart City - Hoboken project

- Wrote SQL queries to mine city database to identify the bottlenecks in the transportation system of the city
- Involved in "smart city" app development, UI, UX
- Moshtaghi Nazgol. "Architecting Cognitive City Processes: A Systems Approach", Conference Paper

Shahrazad Gallery

NYC

Co-founder and Manager

2010 to Current

Curating and Selling Iranian Art in Metropolitan areas (NYC, Istanbul, Tehran)

- Led A/B testing initiatives that increased conversion rates and sales
- Analyzed market trend of Persian Art at different auctions

University of South Florida

Adjunct Professor and Research fellow

2007 to 2010

Taught courses: "International Marketing", "Consumer Behavior", "Marketing Research", "Statistics"

Selected Refereed Papers

- Moshtaghi Nazgol., Boyer Stephanie, "The effect of boredom on self directed learning", Association of Marketing Society Annual Conference, Baltimore, 2010
- "How cancer patients decide to participate in a clinical trial" a Joint Project of Moffitt Cancer Research Center and Department of Marketing at University of South Florida, 2009
- "The effect of regret on consumer decision making process", 2009 University of South Florida

Roland Berger Consultancy

Strategy Consultant

2005 to 2007

- Reviewed and mapped strategies, defined measures and quantitative objectives
- Designed division roles in cascading strategies, formed working groups,
- Revised, detailed and communicated action plans to working groups at Iranian Mines and Mining Industries Development Renovation Organization (IMIDRO)

Bisco Dental Company (Middle East Representative)

Marketing Manager

2005 to 2007

- Analyzed sales and consumer data sets to identify new product markets
- Developed branding, visual identity and marketing strategy
- Designed and taught on-boarding curriculum for all sales representatives
- Conducted focus groups and qualitative market research among dentists

SKILLS

PROGRAMMING: Python, Numpy, Scipy, Pandas, NLTK, BeautifulSoup, R

DATABASE SYSTEMS: PostgreSQL, SQLite, MongoDB

MACHINE LEARNING: Scikitlearn, classifiers, NLP, clustering, recommender system

DATA VISUALIZATION: Matplotlib/seaborn, Plotly, d3.js (beginner), Tableau

BIG DATA PIPELINING: Apache Spark/MLlib (beginner), AWS, MapReduce

STATISTICS PACKAGES: SPSS, SAS

VOLUNTEERING

Math and computer tutor for underprivileged kids in Harlem, NYC