

# Taha Monfared

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## OBJECTIVE

Eager to learn, persistent, fast learner, and detail oriented data scientist. Seeking to obtain an analyst position where I can solve data problems utilizing my knowledge and experience.

## PROFESSIONAL EXPERIENCE

### **Research/Graduate Assistant**

November 2015-present

Office of Graduate Studies, CSU Fullerton

- Produce reports using Excel and R that summarize CSUF graduate student educational performance
- Recommend allocating more resources towards underrepresented ethnicities to improve graduation rates
- Tutor an average of 20 graduate students monthly on statistics and advise on theses utilizing SPSS

### **Graduate Assistant**

May 2017-August 2017

Institutional Research and Analytical Studies, CSU Fullerton

- Fulfill data requests using SPSS syntax
- Extract, transform and integrate SPSS data files using SPSS syntax for data warehousing
- Build predictive models for individual student performance

### **Stock Market Analyst**

September 2007-August 2014

Bekhrad International Inspection Services (BIS), Tehran, Iran

- Produce data gathering, data management, and portfolio management software using Access, VBA, SQL
- Develop automated trading systems using Metastock
- Managed portfolios valued at more than \$1M with above 150% return on investment

## COMPUTER SKILLS

- Advanced: R, VBA, SQL, SPSS, PowerPivot, Power BI, machine learning
- Proficient: Python (NumPy, SciPy, Scikit-learn, Pandas, PySpark, MLlib), Shiny, Tableau, Minitab, DAX, PowerQuery, Latex, Linux/bash, Git, Jupyter

## CONSULTING & RESEARCH

### **Bayesian Research**

July 2017-present

CSU Fullerton, under the supervision of Dr. Valerie Poynor

- Explore extending Dirichlet process mixture models (DPMM) for density and functional estimation and inference with univariate gamma kernels to bivariate and multivariate settings
- JSM 2017 Presentation: "Bayesian non-parametric Inference for bivariate mean residual life function"

### **Business Analysis**

August 2017-October 2017

Southern California Edison

- Develop ad hoc reports using PowerPivot, Excel, and Sharepoint
- Create dashboards using Power BI and Tableau
- Leverage relational database theory to extract, transform and load data from various sources using Power BI, data analysis expressions (DAX), and PowerQuery M language

### **Logo Recognition**

January 2017-May 2017

Black Swan Ltd.

- Work as a team to research and develop image processing algorithm to identify company logos in social media images

- Employ Python, Git, Google Cloud, OpenCV, Scikit-learn, and Scikit-image

### **Data Integration**

July 2010- August 2010

Karafarin Bank, Tehran, Iran

- Integrate branches' daily reports into Microsoft Access relational database using visual basics for office applications (VBA) and SQL

### **Marketing Research**

July 2008- July 2009

Luleå University, under the supervision of Dr. Limayem

- Conduct research on B2C online retailing using survey, SEM, and multivariate data analysis

## **EDUCATION**

### **M.S. Statistics**

Expected January 2018

California State University, Fullerton

- Courses include Bayesian statistics, computational statistics, multivariate data analysis, and time series analysis/forecasting
- Giles T. Brown travel grant (2017)

### **Master of Marketing & E-Commerce**

July 2009

Luleå University, Sweden

### **B.E. Industrial Engineering**

May 2006

Amir-Kabir University, Tehran, Iran

## **PROFESSIONAL DEVELOPMENT**

Big Data (by Lynda)

November 2017

- Business Analytics: Data Reduction Techniques Using Excel and R
- Learning Python for Data Science, with Tim Fox and Elephant Scale

## **PROFESSIONAL AFFILIATION**

**Founding member**, CSUF Data Visualization Club

September 2017-present

**Member**, American Statistical Association

January 2017-present

**Founder/President**, CSUF Data Science Student Club

December 2016-May 2017

**Founding member**, CSU East Bay data science group

January 2014-June 2015