Taha Monfared

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OBJECTIVE

To obtain an internship data science position within an advanced analytical team; where I can implement my education while learning about industry standards, company virtues and practical complexities.

EDUCATION

M.S. Statistics, California State University, Fullerton, GPA: 3.95   2015–Expected Aug. 2017
* Courses include Computational Statistics, Categorical Data Analysis, Bayesian Statistics, Multivariate Analysis, Applied Biostatistics
* Conducting research on Bayesian non parametric survival analysis, focused on mean residual life function with Drichlet prior

Mater of Marketing and E-Commerce, Lulea University of Technology, Lulea, Sweden   2006–2009
B.E. Industrial Engineering, Amir-Kabir University of Technology, Tehran, Iran   2001–2006

WORK EXPERIENCE

Research/Graduate Assistant, CSU Fullerton Office of Graduate Studies   Since Nov. 2015
* Produce exploratory data analysis and predictive modeling on CSUF graduate students' educational performance for use in academic reports; focused on underrepresented ethnicities.
* Methodologies and processes used include data visualization using ggplots in R and PivotCharts in Excel, ordinal nonlinear regression, logistics regression, random forest, google maps geocoding API, NoSQL JSON datasets, and VBA and R codes to clean data.
* Tutor an average of 20 graduate students monthly on statistics and collaborate on their thesis research problems.

Stock Market Analyst, Tadbirgaran Investment Institute   2007–2014
* Reported to chief financial officer.
* Produced data gathering, data management, and portfolio management software using SQL, Visual Basics for Office Applications (VBA), Access, Excel and Matlab.
* Developed custom indicators, and automated trading systems using Equis Metastock.
* Managed portfolios valued more than $1M with above 150% return on investment.
* Consulted Karafarin Bank on data integration project

HONORS AND AFFILIATIONS

American Statistical Association   Since Jan. 2017
Founder and president of NSM data science student club   Since Dec. 2016
Winner of non-resident tuition waiver award   Since Sep. 2015
Golden Key Honor Society   Since May 2014
Founding member of CSU East Bay data science group   Jan. 2014–June 2015

SKILLS

* Experience with machine learning methodologies
  * PCA, PCR, factor analysis, vectorization, classification (random forest, LDA, QDA, KNN), clustering (k-means, hierarchical, mixture models), regression (linear, nonlinear, multivariate, ridge, LASSO, logistics, ordinal)
* Extensive Programming experience using R and APIs (google and twitter)
  * Programs coded include EM algorithm, optimization algorithms (Newton, quasi-Newton, Fisher-scoring, secant), sentiment analysis, Monte Carlo integration, MCMC algorithms (Gibbs sampling, Metropolis-Hastings), bootstrapping, Naïve Bayes, word cloud, loglin models, mixed-effect models, survival analysis
* Proficient with SQL, SPSS, SAS, Python, Minitab, Linux/bash, Microsoft Office Suite, Markdown, ggplot2, tidyr, dplyr, scikit-learn, LaTeX, jekyll, Git, Github
* Familiar with Tableau, AMOS, Hadoop, Hive, Matlab, JSON, NoSQL