

Contact Information

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Education

- 2016-Present **PhD in Operations Research and Industrial Engineering**
Ph.D. student at The University of Texas at Austin.
- 2017-Present **Master in Statistics and Data Science**
Master student at The University of Texas at Austin.
- 2016-2018 **Master of Science in Operations Research and Industrial Engineering**
The University of Texas at Austin, **GPA:** 3.71
- 2014-2016 **Master in Civil Engineering**
The University of Texas at Austin, **GPA:** 3.73
- 2009-2011 **Master of Science in Construction Engineering and Management**
College of Civil Engineering, University of Tehran, Tehran, Iran, **GPA:** 3.85/4 (18.51/20).
Thesis: Forecasting Proper Cost Base Line Based on Time and Cost Performance in the Construction Projects with the Maximum Profit Approach.
Supervisor: Assistant Prof. Gholamreza Heravi.
- 2004-2008 **Bachelor of Science in Civil Engineering**
Department of Civil Engineering, Shahid Rajaei Teacher Training University, Tehran, Iran, **GPA:** 3.76/4 (17.71/20).

Academic Experiences

- 2015-Present **Graduate Teaching Assistant;** Data Analysis for Health Sciences, Differential and Integral Calculus II, Experimental Fluid Mechanics, The University of Texas at Austin.
- 2012-2013 **Lecturer;** Engineering Economics, Faculty of engineering, Pardis Islamic Azad University.
Lecturer; Dynamic, Engineering Economics, Construction Management, Faculty of engineering, Parand Islamic Azad University.
Lecturer; Machinery, Construction Management, Faculty of engineering, Islamshahr Islamic Azad University.
- 2006-2007 **Teaching Assistant;** conducted weekly problem solving sessions, compiled and graded assignments and exams for the courses listed below:
Department of Civil Engineering, Shahid Rajaei Teacher Training University
Fluid Mechanics (fall 2006), Strength of Materials 1 (spring 2006), Strength of Materials 2 (fall 2006), Structural Analysis 1 (fall 2006), Structural Analysis 2 (spring 2007), Steel Structures 1 (spring 2007), Steel Structures 2 (fall 2007), Concrete Structures 1 (spring 2007), Concrete Structures 2 (fall 2007)

Publication

Journal Papers

- 2012 **Eghtedari Naeini, M.** (2012) "Cost Control Development under Stochastic Performance Control." Journal of Economics, Finance and Management Sciences, Vol. 1, pp. 54-60.
- 2011 **Eghtedari Naeini, M. and Heravi, G.** (2011) "Probabilistic Model Development

for Project Performance Forecasting.” World Academy of Science, Engineering and Technology, 58, pp 396-401.

Conference Papers

- 2012 **Eghtedari Naeini, M., Sharafifar, M., and Rezaie, M.** (2012)“Forecasting and Monitoring project probabilistic cost baseline.” Proc., 8th International Project Management Conference, Tehran, Iran.
- 2012 **Eghtedari Naeini, M., Rezaie, M. and Sharafifar, M.** (2012) “Defining a Model for Determining the Most Profitable Schedule.” Proc., 8th International Project Management Conference, Tehran, Iran.
- 2011 **Eghtedari Naeini, M. and Heravi, G.** (2011)” Probabilistic Model Development for Project Performance Forecasting.” Proc., 7th International Conference on Civil, Environmental and Chemical Engineering, Bali, Indonesia.
- 2011 **Eghtedari Naeini, M. and Heravi, G.** (2011) “Probabilistic Forecasting of Cost Baseline Using the Beta Distribution.” Proc., Najafabad Conference on Civil Engineering, Najafabad, Iran.
- 2011 **Eghtedari Naeini, M. and Heravi, G.** (2011) ”Forecasting Cost Performance of Construction Projects Using Stochastic Cost Base Line.” Proc., 6th National Congress of Civil Engineering, Semnan, Iran.
- 2011 **Amirarjmandi, A., Eghtedari Naeini, M, and Mazaheri, T.** (2011) ” Review of Integrated Project Delivery Method and Comparing to Current System .” Proc., 6th National Congress of Civil Engineering, Semnan, Iran.

Books

- 2011 Cooperating as a scientific editor
M. Parvini, and A. Baghi “Soil Mechanics.” (ISBN: 8-213-164-964-978).
S. Houshyar, M. Karim “Analysis of Structures.” (ISBN: 3-052-164-964-978).

Certifications and Awards

- 2018 Licensed Professional Engineer, Civil Engineering, Construction in Texas.
- 2016 Advanced Teaching Assistant certification, The University of Texas at Austin.
- 2012 The youngest lecturer that has ever taught in Islamic Azad University.
- 2011 Ranked top student among master’s students, University of Tehran.
- 2009 Ranked 28th among over 20,000 participants in Iran’s national university entrance examination for master’s degree.
- 2008 Ranked top student among Bachelor’s student and Granted admission to graduate program without entrance exam through the Exceptional Talents Admissions Office, Shahid Rajaei Teacher Training University.
- 2004 Ranked 3400th among over 1,500,000 participants in Iran’s national university entrance examination for bachelor’s degree.

Work Experience

- 2011-2012 Working as time and cost manager in Parnam Arneh.
- 2009-2011 Working in Mahan Higher Education Institute as a teacher and consultant. Taught the courses listed below and consulted student about selecting civil engineering’s major. Strength of Materials 1; Strength of Materials 2; Analysis of Structures 1; Analysis of Structures 2; Steel Structures 1; Steel Structures 2.
- 2008-2011 Working as site supervisor and structural engineer, Municipality of Tehran and Moghavam Andishan Supervising and Consulting Engineers Company.

Computer Skills

Computer Programming
Specialty Software

Java (general usage), Python (optimization usage), R (data analysis usage), Fortran (civil engineering usage).
SAP2000, ETABS 9.1.4, SAFE 8.1.0, Primavera 6 enterprise, Microsoft Office Project 2007/2010, Crystal Ball 7.3. @Risk, StatTools, SAS.

Research Interests

Statistical machine learning and data mining
Optimization
Decision analysis and decision making
Probabilistic methods and forecasting
Bayesian methods and deep learning
Usage of above in finance, energy (oil and gas), economics, climate, and insurance area