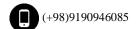
Javad Mirzaei

Department of Civil Engineering, Sharif University of Technology, Tehran, Iran







EDUCATION

Sharif University of Technology

GPA: **3.6/4** (**16.74/20**) via 155 credits (total)

GPA: **3.8/4 (17.52/20)** via 105 credits (last 6 semesters)

Bachelor of Science (B.Sc.), Civil Engineering

2017-2022

Department of Civil Engineering, Sharif University of Technology

Minor, Economics (21 Credits)

2020-2021

Graduate School of Management and Economics (GSME), Sharif University of Technology

FIELDS OF INTEREST

Data Analysis
Construction Management
Machine Learning
Artificial Intelligence

Econometrics
Risk Management
Sustainability
Retrofit cost estimation

PAPERS

- "Mirzaei. J, Amiri. H, Khaleghi. H, Kashani. H, Machine Learning-based Regression Models for Estimating Seismic Retrofit Cost of Masonry Buildings" Accepted by "Sharif Journal of Civil Engineering", Available Online from 21 June 2022
- "Mirzaei. J, Amiri. H, Khaleghi. H, Kashani. H, Development and Comparison of Models for Predicting Seismic Retrofit Cost of Masonry School Buildings" Received minor comments from "International Journal of Construction Management" and revised
- "Amiri. H, Khaleghi. H, **Mirzaei. J**, Kashani. H, Deterministic and Probabilistic Modeling for Earthquake Fatality Estimation" (Expected to be submitted in September)
- "Mirzaei. J, Amiri. H, Kermanshah. A. H, A study of the relationship between income inequality and sustainability using SVM and pooled regression", (Expected to be submitted in October)
- "Amiri. H, **Mirzaei. J**, Yousefelahi. A, Kashani. H, Machine Learning Models for Seismic Retrofit Cost Estimation", (Expected to be submitted in September)

RESEARCH AND TEACHING EXPERIENCE

Research Assistant, Sharif University of Technology

2020-Present

- Supervised by Dr. H. Kashani
 - o Seismic Retrofit Cost Estimation
 - o Earthquake fatality estimation

Research Assistant, Sharif University of Technology

2021-Present

- Supervised by Dr. A. H. Kermanshah
 - o Income inequality and sustainability

Teaching Assistant "Macroeconomics", Sharif University of Technology

2022 Spring

• Instructor: Dr. A. Mahmoodzade

Teaching Assistant "Urban Infrastructure Sustainability Principles", 2021 Spring

Sharif University of Technology

• Instructor: Dr. A. H. Kermanshah

Data Collection Assistant "Data collection for real state price in Tehran", 2020 Summer

Sharif University of Technology

• Instructor: Dr. H. Kashani

COMPUTER SKILLS

Applications		Programming Languages	
Professional	Knowledgable	Professional	Knowledgable
Etabs	SAP2000	Python	R
AutoCAD	Mathcad	Stata	Matlab
Microsoft Office	Eureka		Git
CSI SAFE			
IBM Watson Studio			

SELECTED COURSES: SHARIF UNIVERSITY OF TECHNOLOGY

Civil

 Project and Construction Management 	17.8/20, (4/4)
 Construction Methods and Equipment 	18.6/20, (4/4)
 Urban Infrastructure Sustainability Principles 	18.5/20, (4/4)
Entrepreneurship Principles	18.5, (4/4)
• System Engineering (OR)	16.7/20, (4/4)
Material & Concrete Technology	17.9/20, (4/4)
 Technical English for Civil Engineering 	18.5/20, (4/4)
Economics	
 Principles of economics 	18.4/20, (4/4)
 Financial economics Minors 	18.7/20, (4/4)
 Microeconomics 	19.6/20, (4/4)
Econometrics Minor	18.8/20, (4/4)

SELECTED COURSES: ONLINE CERTIFICATIONS

Saylor.org academy (Certificates are available here)

- Introduction to python
- Evaluating sources and references
- Advance English as a second language
- Spreadsheets

Coursera

- What is data science? (Certificate is available <u>here</u>)
- Tools for Data Science (Certificate is available <u>here</u>)
- Data Science Methodology (Certificate is available here)

- Python for Data Science, AI & Development (Certificate is available here)
- Python Project for Data Science (Certificate is available here)
- Data Analysis with Python (Certificate is available here)
- Data Visualization with Python (Certificate is available here)
- Machine Learning with Python (Certificate is available here)
- Andrew NG's Machine learning course (Audited)

Others

• Programming using MATLAB

SELECTED COURSE PROJECTS

Investigating the relationship between economic growth and income inequality in Iran Course: <i>Macroeconomics</i>	Spring 2021
Investigating the relationship between GDP and rent revenue Course: <i>Econometrics</i>	Spring 2021
Investigating water consumption sustainability in the Jean industry Course: <i>Urban Infrastructure Sustainability Principles</i>	Fall 2020
Studying the spread of contaminated plumes in laminar flow Course: Fluid Mechanics	Spring 2019
Research on RCC pavements and improvements Course: Pavements design	Fall 2020

HONORS AND AWARDS

•	Ranked 14 among more than 6,000 participants in the nationwide University	2022
	Entrance Exam for Master's degree (Konkoor)	
•	Ranked top 0.5% among more than 146,000 participants in the nationwide	2017
	University Entrance Exam (Konkoor)	

LANGUAGE SKILLS

Farsi: Native

• English: Bilingual proficiency

TOEFL-iBT test score 102 (R:28, L:29, S: 23, W: 22)

• French: beginner