

# HamidReza Mohammadiha

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## Education

### Sharif University of Technology

Tehran, Iran

Master of Science in Industrial Engineering,

2020-2023

GPA: 3.46/4 or 17.05/20

Thesis: Investigating the Application of Game Theory in Pricing and Market Analysis (2023)

Supervisor: Dr. Shokrane K. Moghaddam

### Sharif University of Technology

Tehran, Iran

Bachelor of Science in Industrial Engineering,

2016-2020

GPA: 3.93/4 or 18.06/20

## Teacher Assistantships

Product Development and Planning Course	Dr. Shokrane K. Moghaddam	Spring 2022
Simulation Languages Course	Dr. Erfan Hassannayebi	Spring 2021
Discrete Event Simulation Course	Dr. Nafiseh Sedghi	Spring 2020

## Research Interests

Game Theory	Queueing Theory	Dynamic Programming	Combinatorial Optimization
Supply Chain Management	Serious Game Design	Computer Simulation	

## Computer Skills

Digital Literacy	Microsoft Office – Google Cloud – AI Tools
Data Analytics	Excel – Python – R – SQL – PowerBI
Simulation Tools	AnyLogic – Anylogistix – Arena
Project Mg Tools	MSP – Trello – Jira – Github

## Languages

Persian	Native	
English	Advanced, Academic	IELTS: 6.0 - Duolingo 120
Turkish	Familiar	

## Selected Projects

<b>Decentralized Finance (DeFi) use cases</b> Exploring use cases of DeFi and smart moneys	2024	Dr. Sajjadi
<b>Explainable AI architecture and definitions</b> Exploring requirements of XAIs for credit scoring	2023	Mr. Yadegari
<b>Price Competition Game Simulation</b> Serious Game Design Approach (Gamein 2021)	2022	Dr. Talebian
<b>IBM HR analytics employees case study</b> Examining the cause of job burnout	2021	Dr. Sedghi
<b>Hospitals' Beds Allocations for Covid-19 Patients</b> Game Theoretical Approach (Auction and Matching Models)	2020	Dr. Ashtiani
<b>Serious Game Design for Simulating Supply Chains Strategies</b> At Iran's National Elites Foundation	2019	Mr. Khaleghparast

## Selected Courses

Operation Research 1	17.9 / 20	Dr. Eshghi
Queuing Theory and Probabilistic Models	18.5 / 20	Dr. Modarres Yazdi
Principles of Simulation	19.4 / 20	Dr. Haji
System Dynamics	16.8 / 20	Dr. Mashayekhi
Combinatorial Optimization	17.0 / 20	Dr. Eshghi
Data-Driven Decision Making	17.0 / 20	Dr. Sedghi
Game Theory	17.4 / 20	Dr. Ashtiani
Game Theory for Managers	16.8 / 20	Dr. Talebian

## Experiences



**Saman Insurance** (2025-now)  
as Associate Product Manager

4 Months

Providing diverse and creative insurance services to individuals and legal entities with flexible payment options.



**Iran Credit Scoring** (2023-2024)  
as Associate Product Manager

12 Months

Iran Credit Scoring Company develops explainable Artificial Intelligences (XAIs) for the FinTech Ecosystem of Iran.



**Solico Group** (2021-2023)

30 Months

as Gamification Expert

6 Months

as Senior Strategic Planner

18 Months

as Organization Designer

6 Months

Solico Group is a multinational food company. It produces, trades, distributes, and sells food in more than 10 countries.



**Gamein** (2020-2021)  
as Game Director

12 Months

Gamein is a scientific competition in which participants face business challenges in a simulated market environment.

## Honors and Awards

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<b>Won</b>	Gold Medal for Sharif University Volleyball Tournament, Sut, 2023
<b>Ranked 6th</b>	Among Graduating Class of Industrial Engineering at The End of Bachelor's, Sharif University of Technology, Tehran, Iran, 2020
<b>Ranked 260<sup>th</sup></b>	Among Approximately 260,000 Participants in The University Entrance Exam for A Bachelor's Degree, Iran, 2016
<b>Certified</b>	National Young Mathematicians Association Exam Held by The University of Waterloo, Canada, 2013

## References

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**Dr. Shokrane K. Moghaddam.** Assistant Professor, Faculty of Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

**Dr. Nafiseh Sedghi.** Assistant Professor, Faculty of Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

**Dr. Erfan Hassannayebi.** Assistant Professor, Faculty of Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

**Dr. Shahram Shadrokh.** Associate Professor, Faculty of Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

**Dr. Mohammad Modarres Yazdi.** Professor, Faculty of Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

**Dr. Babk Haji.** Professor, Faculty of Industrial Engineering Department, Sharif University of Technology, Tehran, Iran