

Hamed Izadian

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EDUCATION

Kharazmi University

Tehran, Iran

M.S. in Industrial Engineering

Sep 2022- Present

- Advisor: Hamid Reza Pasandideh
- Thesis: Modeling a bi-objective closed-loop supply chain with robust optimization and considering imperfect quality and on-time delivery
- GPA: 18.42/20 (3.88/4)

University of Tehran

Tehran, Iran

B.S. in Industrial Engineering

Sep 2018- Sep 2022

- GPA: 16.14/20 (3.34/4)

RESEARCH INTEREST

- Operations Research
- Mathematical Modeling
- Machine learning
- Quality Control
- Inventory Management
- Supply Chain Management
- Healthcare Systems

PUBLICATIONS

Working papers

- 1) H. Izadian and S.H.R. Pasandideh. "Bi-objective closed-loop supply chain model considering imperfect quality production and on-time delivery "

LANGUAGE

- TOEFL iBT: R: 21 L: 25 S: 25 W: 23 Overall: 94
- GRE: Verbal Reasoning: 141 Quantitative Reasoning: 161

WORKING EXPERIENCES

- 1) Internship, Production processes design and group logistics Department, Saipa, Jul 2022- Aug 2022
Tasks: Motion and time study on the automotive production line, and plant layout

TEACHING EXPERIENCES

- 1) Teaching assistant, Operations Research II & Mathematical Modeling in GAMS
Kharazmi University
Fall 2024
- 2) Teaching assistant, Integer Programming & Inventory Control Courses
Kharazmi University
Spring 2024
- 3) Teaching assistant, Operations Research II & Python programming for Optimization (Gurobipy)
Kharazmi University
Fall 2023

PROJECTS

- 1) Bike sharing demand prediction, Data-mining Course, Kharazmi University, Spring 2023
- 2) Towards the circular economy: Analysis of barriers to implementation of zero waste management in the automotive industry using the ISM-fuzzy MICMAC approach, University of Tehran, Jul 2022 – Aug 2022

SKILLS

Programming skills:

- Proficient at Python and Metaheuristic Algorithms in MATLAB
- Expert level at mathematical modeling in GAMS
- Experience with Gurobipy and DOCPLEX
- Experience with supervised machine learning algorithms in Python
- Familiar with HTML, CSS & Java

Software skills:

- MS project, Enterprise Dynamics (ED), VS code, IBM CPLEX studio

Mathematical skills:

- Operations Research, Mathematical modeling, Integer Programming, Linear algebra, Robust optimization

Other skills:

- Teaching, Communication, Team work, Problem solving, Innovation, Adaptability

LICENSES AND CERTIFICATES

- 1) Optimization in Python using Gurobipy and DOCPLEX, In Progress
- 2) Robust Optimization & Decision-Making Under Uncertainty, In Progress
- 3) Statistics for Data Science, Toseeh Higher Education institution, In progress
- 4) General Algebra Modeling Systems (GAMS) for Optimization, Feb 2024
- 5) Supply Chain Analytics in Python, DataCamp, Feb 2024
- 6) Simulation analytics for logistics and supply chain management with Enterprise Dynamics (ED), Sharif University of Technology, Aug 2022
- 7) Programming for Everybody (Getting Started with Python), Coursera, Jul 2022

HONORS AND AWARDS

- 1) Ranked within the top 5 % among approximately 144,000 participants in the National Entrance Examination Form Iranian universities, Iran
- 2) Ranked as the 3rd top student among 20 students of Industrial Engineering at the end of the Master's, Kharazmi University, Iran

LEADERSHIP POSITIONS

- Secretary of the Cultural Association of the University of Tehran

REFERENCES

Dr. Hamid Reza Pasandideh
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