

Ahmad Salehiyan

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Education

- **Master of Science in Industrial Engineering-Systems Optimization** **2019-2022**
 - K. N. Toosi University of Technology, Tehran, Iran.
 - Thesis: "Predictive Maintenance of Advanced Industrial Machines by using AI Techniques."
 - Overall GPA: 3.42/4.00 (16.53/20) | Major courses GPA: 3.50/4.00
 - Selected Courses:

Design of experiments (A ⁺)	Integer Variables (A ⁺)
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- **Bachelor of Science in Industrial Engineering** **2014-2019**
 - Islamic Azad University, Qazvin, Iran.
 - Thesis: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper."
 - Overall GPA: 3.52/4.00 (17.06/20) | Major courses GPA: 3.65/4.00
 - Selected Courses:

Computer Programming (A ⁺)	Operations Research I (A)
Engineering statistics (A)	Operations Research II (A ⁺)
Maintenance Planning (A ⁺)	Principles of Simulation (A ⁺)

Research Interests

- Data Science
- Optimization
- Statistics
- Maintenance

Publication

- **Salehiyan, A.**, Aghaei, A., Amouei, A. (2022). Discover Hidden Relationships and Patterns in Failure of Computer Numerical Control Equipment by Using Apriori Algorithm. *The 3rd International Conference on Challenges and New Solutions in Industrial Engineering, Management and Accounting*.
- Aghaei, A., **Salehiyan, A.** (2021). Prioritizing Equipment Maintenance Programs by Clustering Algorithms *The 14th International Conference of Iranian Operations Research Society*.[↗]

Honors and Awards

- Ranked **9th** among Systems Optimization M.Sc. students **2021**
- Ranked **4th** among Industrial Engineering B.Sc. students **2017**

Academic Experience

- **K. N. Toosi University of Technology** **Oct. 2021 – Apr. 2022**
 - Teacher and Research Assistant (Dr. Abdollah Aghaie)

Academic Projects

Farandish Company

Mar. 2022–Oct. 2022

- Advisor: Abdollah Aghaie
- Project Title: "Early Fault Detection of Five-axis Numerical Control Tool Machine Based on Data mining Approaches and Similar Tools."

Aabsal Company

Feb. 2020–Jun. 2020

- Project Title: "Optimization of Paint Coating Process on Galvanized Sheet Using Design and Analysis of Experiments."

Carbonless Form Company

Feb. 2019–Jun. 2019

- Project Title: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper."

Teaching Experience

Teaching Microsoft Excel

Sep. 2019-Oct. 2022

- A private tutor

Work Experience

Karin Crane Company

Apr. 2019–Oct. 2019

Job Title: Industrial Engineer

- Project Management, Creating Quality Control Inspection Forms and Operation Process Charts

Certificates and Skills

Certifications:

Statistical Package for the Social Sciences (SPSS)
Minitab
COMFAR
Excel (Advance)
Microsoft Project
Weka
ISO9001:2015
ISO22000

Programming languages:

Python
R
JavaScript
jQuery
HTML
CSS

Computer-aided design/engineering:

GAMS
PostgreSQL
Power BI
Tableau

Language Skills

- IELTS Overall: 6.5 (listening: 7 | reading: 6.5 | writing: 6 | speaking: 6)
- Persian—Native or bilingual proficiency

Oct. 2022

References

Dr. Abdollah Aghaie

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Department, K. N. Toosi University of
Technology, Iran.
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Dr. Emad Roghanian

Associate Professor, Industrial Engineering
Department, K. N. Toosi University of Technology,
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