

Ahmad Salehiyan

📍 Oklahoma State, US

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Education

Oklahoma State University

Stillwater, Oklahoma, USA

Doctor of Philosophy (PhD) in Industrial Engineering

Expected 2028

- Research Focus: POMDP, Predictive Maintenance, Stochastic Optimization
- Advisor: Dr. Akash Deep

K. N. Toosi University of Technology

Tehran, Iran

Master of Science in Industrial Engineering

2019-2022

- Thesis: "Predictive Maintenance of Advanced Industrial Machines by using AI Techniques"
- Advisor: Dr. Abdollah Aghaie

Islamic Azad University

Qazvin, Iran

Bachelor of Science in Industrial Engineering

2014-2019

- Thesis: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper"

Publications

CONFERENCE PROCEEDINGS

- Aghaei, A., Salehiyan, A. (2021). *Prioritizing Equipment Maintenance Programs by Clustering Algorithms*. Presented at the 14th International Conference of Iranian Operations Research Society.

Research Interests

Maintenance

Stochastic Optimization

Statistics

Reinforcement Learning

Optimization

Data Science

Work Experience

Karin Crane Company

Apr. 2019 - Oct. 2019

Industrial Engineer

- Project Management: Led and coordinated projects related to [provide brief overview of projects].
- Created Quality Control Inspection Forms: Developed and implemented quality control measures, including the creation of inspection forms to ensure product quality and compliance.
- Operation Process Charts: Designed and documented operation process charts to optimize workflow and increase efficiency within the company.

Academic Projects

Utilizing Data Mining Techniques and Similar Tools for Early Detection of Machine Faults

Mar. 2022 - Oct. 2022

Farandish Company

- Advised by Abdollah Aghaie.

Optimization of Paint Coating Process on Galvanized Sheet Using Design and Analysis of Experiments

Feb. 2020 - Jun. 2020

Aabsal Company

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

Feasibility Study Industrial Company Manufacturing of Carbonless Paper

Feb. 2019 - Jun. 2019

Carbonless Form Company

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

Skills

Programming languages SPSS, Python, R, GAMS, PostgreSQL, SAS, Power BI, COMFAR, Tableau
Certifications ISO9001:2015, ISO22000

Achievements

2021	Ranked 9th , Among Systems Optimization M.Sc. students	<i>Tehran</i>
2017	Ranked 4th , Among Industrial Engineering B.Sc. students	<i>Gazvin</i>

Languages

Persian Native or bilingual proficiency
English Full professional proficiency