Ahmad Salehiyan

Oklahoma State, US

+1 450 269 3549 | Ahamd.Salehiyan@okstate.edu | www.ASalehiyan.com | Ahmad-salehiyan

Education

Oklahoma State University *Oklahoma, USA*
Doctor of Philosophy (PhD) in Industrial Engineering *Expected 2028*
- Research Focus: 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

JOURNAL ARTICLES

- *POMDP-based optimal maintenance planning using multiple sensor signals..* Submission planned in early Spring 2024 to IEEE Transactions on Reliability.

CONFERENCES

- *Prioritizing Equipment Maintenance Programs by Clustering Algorithms.* Presented at the 14th International Conference of Iranian Operations Research Society.

Research Interests

Reliability Engineering   Stochastic Optimization

Decision Making   Data Science

Mathematical Optimization

Work Experience

Karin Crane Company *Apr. 2019 - Oct. 2019*
Industrial Engineer

- Oversaw project management tasks, including coordination and leadership on relevant projects.
- Developed and implemented quality control measures, ensuring adherence to product standards.
- Designed and documented operation process charts to streamline workflow and enhance efficiency.

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, Julia GAMS, PostgreSQL, SAS, Power BI, COMFAR, Tableau
Certifications	ISO9001:2015, ISO22000

Achievements

2021	**Ranked 9th,** Among Systems Optimization M.Sc. students	*Tehran*
2017	**Ranked 4th,** Among Industrial Engineering B.Sc. students	*Gazvin*

Languages

Persian	Native or bilingual proficiency
English	Full professional proficiency