

REZA ARDEHJANI

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SUMMARY

Results-driven and dependable Mechanical Engineer with a proven track record of effective problem-solving. Possesses strong organizational skills, a proactive approach, and a commitment to punctuality. A motivated professional with hands-on experience capable of undertaking physically demanding tasks with precision. Proficient in software and applications including MATLAB, HYSYS, and EES.

EXPERIENCE

Mechanical Engineer

Central Union of Rural and Agricultural Cooperatives of Iran | Tehran | Dec 2017- Dec 2023

- Conducted sensitivity analyses using MATLAB to optimize parameters in a structural design project.
- Maintained updated knowledge through continuing education and advanced training.
- Executed physical labor duties, demonstrating strong attention to detail in manual processes.
- Applied Engineering Equation Solver (EES) to model and analyze complex thermodynamic systems, facilitating precise prediction of system behavior and performance.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.

EDUCATION AND TRAINING

Master of Science: Mechanical Engineering- Energy Conversion

Islamic Azad University Central Branch | Tehran- Iran | Feb 2021

Thesis: Simulation and Optimization of The Organic Rankine Cycle with Mixed Working Fluid

Bachelor of Science: Mechanical Engineering

Ahrar institute of technology and higher education | Gillan- Iran | Aug 2017

SKILLS

- Proficient in Microsoft Office (Word, Excel, etc.)
- Strong manual dexterity and hands-on skills
- Expertise in MathWorks MATLAB and SolidWorks
- Quick learner with a knack for problem-solving
- Familiarity with Aspen HYSYS for process simulation
- Skilled in research methodologies
- Experience with Engineering Equation Solver (EES) for complex system modeling

INTERSHIP

- Iran Wood and Paper Industries (Choka) | Gillan- Iran | Sep 2017-Nov 2017
- Parehsar Combined Cycle Power Plant | Gillan- Iran | Oct 2016-Dec 2016