

Mohammad ALmomani

MECHANICAL ENGINEERING

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About Me

A highly motivated Mechanical Engineer with a strong passion for innovation and problem-solving. Possesses a solid foundation in engineering principles, with expertise in design, analysis, and project management. Excels in collaborative settings, utilizing diverse perspectives to reach shared objectives. Dedicated to excellence and continuous learning, ready to make meaningful contributions to engineering projects.

Experience

Internship at a renewable energy office

7/2023 – 9/2023

- Gained valuable insights and practical experience in the field of solar energy systems during training.
- Completed an eight-week training program.
- Exposed to a comprehensive curriculum covering various aspects of solar energy.
- The curriculum included both fundamentals and advanced applications of solar energy systems.

Graduation project in “Performance of a Cam-less Internal Combustion Engine”

- Researched and analyzed existing literature and studies on cam and camless engine technology.
- Explored theoretical performance aspects of cam and camless engines.
- Compiled findings and recommendations into a comprehensive research paper.
- Presented the paper to academic peers and faculty members.
- Presented insights and conclusions derived from the investigation.

Theoretical & Practical Course in Mechanical Systems Design

3/2024 – 6/2024

Completed a 100-hour course on HVAC, Plumbing, and Fire Fighting design for construction projects, utilizing local and international codes, standards, and software. Training Details:

- 80 hours theoretical: Software and standards.
- 20 hours practical: On-site project experience.

- Skills Acquired:
- HVAC: Load calculations, unit selection, duct and pipe design, AutoCAD installation.
- Water Supply: Pipe and pump calculations, supply systems, water tanks, fittings.
- Plumbing: System design, pipe selection, cesspools, rainwater collection.
- Swimming Pools: Design, schematic diagrams, pumps, heating.
- Fire Fighting: System design, pipes, sprinklers, software, pumps.
- BOQ and Drawings: Preparation and interpretation.

Education

Jordan University of Science & Technology

2019 – 2024

Bachelor of Mechanical Engineering

Cumulative GPA Rank: Very good

Skills & abilities

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|-----------------------|---------------|-------------------|
| • Solid Works | • AutoCAD | • REVIT |
| • ANSYS | • MATLAB | • Mathcad |
| • HAP | • RHVAC | • Duct Sizer |
| • Elite Fire Fighting | • Pipe sizing | • Microsoft Excel |

Abilities

- Ability to Work Independently and Collaboratively.
- Ability to Research Scientific Sources for Problem-Solving.