

Wael Shayya

Mechanical Engineer

Address: Lebanon | **Phone:** +961 71 270 206

Email: chayawael08@gmail.com

LinkedIn: <https://www.linkedin.com/in/wael-shayya-226015248/>

Summary

Motivated and detail-oriented Mechanical Engineering graduate with practical experience in system design, optimization, and project coordination. Skilled at analyzing complex challenges and implementing effective solutions to improve performance and efficiency. Known for strong problem-solving abilities, excellent communication, and a collaborative approach to working with teams and clients. Seeking to work in an environment that is conducive to my intellectual, professional, and personal growth, where I can contribute significantly to the growth of the team/organization with strong experience and expertise leading to success.

Experience

Mechanical Site Engineer Intern – 01/2025 – Present

SMS Urban Management, Lebanon

- Conduct routine inspections and preventive maintenance of HVAC, plumbing, firefighting, and other mechanical systems.
- Coordinate with contractors, vendors, and suppliers for maintenance and repair work.
- Maintain compliance with environmental regulations related to refrigerants, energy usage, and water conservation.
- Prepare and submit reports on system performance, incidents, and maintenance schedules.
- Coordinate with clients, facility managers, and other engineering teams to address concerns and requirements.
- Attend meetings to discuss operational performance, project progress, and maintenance strategies.

Mechanical Engineering Intern – 01/2024 to 02/2024

Associated Mechanical Engineers, Lebanon

- Supported HVAC system design by conducting load assessments and evaluating system efficiency using HAP software.
- Applied theoretical principles of HVAC engineering in practical contexts, including load evaluation, equipment specifications, and energy optimization.
- Contributed to plumbing layout development, integrating knowledge of codes, components, and industry standards.
- Prepared technical drawings for mechanical systems, ensuring high levels of precision and adherence to design requirements.
- Identified and addressed mechanical issues during project phases, applying analytical skills to ensure project continuity.
- Collaborated in resolving design conflicts by suggesting creative and effective solutions for mechanical system integration.
- Fostered teamwork and communication across departments to enhance project coordination and workflow.
- Contributed to continuous improvement by actively incorporating feedback and refining techniques for future tasks.
- Engaged in technical discussions to support decision-making processes and improve system performance outcomes.
- Maintained a professional approach to engineering tasks, ensuring compliance with regulatory guidelines and best practices.

Mechanical Engineering Intern – 07/2022 to 08/2022

Hyundai, Lebanon

- Oversaw inventory management, ensuring the timely availability and replenishment of automotive parts to support repair operations.
- Assisted in optimizing repair processes, leading to improved operational flow and faster turnaround times for vehicle servicing.
- Provided technical support to clients, offering clear and concise explanations of vehicle issues and suggested solutions.
- Collaborated with the engineering team to identify areas for procedural improvements, contributing to enhanced efficiency in service delivery.
- Contributed to the successful completion of vehicle repairs, demonstrating adaptability and a strong understanding of Hyundai's standards.
- Received commendations for proactive involvement, consistently seeking opportunities to improve skills and support team objectives.

Internet Specialist – 01/2019 to 12/2019

Telnet, Lebanon

- Installed and configured internet routers, modems, and related hardware to ensure seamless connectivity and optimal functionality.
- Managed network configurations, including Wi-Fi setup, SSID configuration, and security protocols, to provide secure and stable internet access.
- Diagnosed and resolved connectivity challenges by addressing hardware and software issues, minimizing service disruptions.
- Delivered high-quality customer support by addressing inquiries, troubleshooting issues, and offering guidance on internet usage.
- Monitored network performance, identified areas for enhancement, and applied strategies to improve speed, reliability, and service quality.
- Developed and executed a maintenance plan that significantly reduced service interruptions, ensuring consistent internet access for clients.
- Educated customers on network management best practices, enhancing their understanding of internet services and troubleshooting techniques.

Education

Bachelor of Engineering in Mechanical Engineering – 08/2023

The International University of Beirut, Beirut, Lebanon

Certificates & Courses

- **Certificate of Achievement, Fire Hydraulic Calculations**, Arab International Academy – 1/2025
- **Certificate of Achievement, Site Mechanical Engineer**, Arab International Academy – 12/2024
- **Certificate of Achievement, Fire Fighting Workshop**, Arab International Academy – 11/2024
- **Certificate of Achievement, REVIT MEP Advanced Workshop**, Arab International Academy, Oct. 2024
- **Certificate of Achievement, REVIT MEP Essentials Workshop**, Arab International Academy - 08/2024
- **Certificate of Completion, The Power of Request: A Request for Proposal Writing Course**, Udemy – 06/2024
- **Certificate of Completion, Project Management**, THE NAWAYA NETWORK – 05/2024
- **Certificate of Achievement, HAP and HVAC Design Workshop**, Arab International Academy - 01/2024
- **Certificate of Achievement, Mechanical Shop Drawing Workshop**, Arab International Academy - 02/2024
- **Certificate of Achievement, Plumbing Design Workshop**, Arab International Academy - 03/2024

- **Certificate of Participation, Installation and Maintenance of Solar Energy System (112 hours),**
Lebanese Association for Initiation and Development -11/2022

Skills & Expertise

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|---------------------------|--------------------------|
| • HVAC Design | • Microsoft Office Suite |
| • Network Configuration | • MATLAB |
| • System Troubleshooting | • SOLIDWORKS |
| • Process Optimization | • HAP |
| • Inventory Management | • Elite Fire |
| • Mechanical Drafting | • AutoCAD |
| • Project Management | • Revit |
| • Technical Communication | • Problem Solving |
| • Plumbing Design | • Team Collaboration |
| • Repair Solutions | • Critical Thinking |
| • Service Coordination | • Attention to Detail |
| • System Maintenance | • Time Management |
| • Structural Analysis | • Conflict Resolution |
| | • Leadership |

Languages

Arabic: Native | **English:** Fluent