

Amjad Aman Eddine

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Experience

ATC Est.

Aley, LBN

Sales Engineer & Site Technical Supervisor

Jan 2017 – Current

- Sold and installed a wide range of mechanical and electrical equipment for residential and commercial buildings
- Coordinated with contractors and clients to ensure smooth and efficient installation processes
- Conducted post-installation follow-ups, maintaining a 95% customer satisfaction rate
- Attended trade shows and conferences to stay updated on industry products and technologies
- Utilized mechatronics engineering skills for accurate calculations and technical assessments
- Managed sales operations and promoted building materials, achieving a 15% increase in sales revenue
- Supervised construction sites, ensuring compliance with technical specifications and safety standards
- Cooperated with an architect, gaining experience in architectural and construction fields

Technical Support Engineer

- Assisted in construction workshops, performing sanitary, electrical, and construction tasks
- Gained hands-on experience in various technical aspects of building projects

Sales Assistant

- Acquired in-depth knowledge of building materials and equipment
- Handled customer inquiries and facilitated sales
- Managed small billing calculations and basic financial transactions

TEKNOLOGIX AUTOMATION

Mansourieh, LBN

Automation Engineering Intern

May – Sept 2024

- Programmed Delta ASDA A2 drives, and optimized drive parameters for enhanced performance
- Established connection between Delta drive and Siemens S7-1200 PLC, enabling control via PLC control blocks
- Controlled motor (PT, PR, & PR using PLC), achieving a 95% precision control rate of motor operations

TECHNICA INTERNATIONAL SAL

Bikfaiya, LBN

Research and Development Project

June 2023 – April 2024

- Researched and developed a Digital Twin for TECHNICA Company utilizing a KUKA robot KR 270
- Implemented KUKA KRL language for programming & controlling the robot, reducing programming time by 20%.
- Developed remote control capabilities, enabling operation from any location and increasing productivity by 25%.
- Integrated remote monitoring and control systems, decreasing downtime by 10%.
- Ensured compliance with ISO23247 safety standards, maintaining a 100% safety compliance rate
- Utilized Siemens PLC and Ewon Flexy 205 systems to interface with Siemens Mind-sphere for data collection (IOT)
- Collaborated with different teams to ensure seamless integration of digital twin and data analytics solutions
- Conducted testing, validation procedures, and reliability achieving a 98% validation success rate.

Electrical & Mechanical Factory Intern

- Participated in fabrication and production activities in various manufacturing divisions, including CNC machining, laser cutting, bending metals, welding, drilling, threading, and other cutting activities
- Contributed to assembly line operations by interpreting drawings, conveyors, & operating fully automated machines
- Assisted in installing electrical machines and assembling electrical board panels, contributing to the completion of projects 10% faster than the initial timeline
- Gained hands-on experience in assembling pneumatic panels and understanding pneumatic systems

SMLC PEPSI-COLA LEBANON BEVERAGES

Chouaifet, LBN
April – June 2023

Technical Support Intern

- Created layout drawings for the Krones production line, optimizing machine placement.
- Proposed and implemented solutions to address sugar line issues, reducing downtime by 10%.
- Participated in the quality control process, ensuring 100% compliance with standards and regulations.
- Collaborated with cross-functional teams to implement process improvements and optimize production workflows

Rafik Hariri University

Damour, LBN

Researcher Assistant

May 2021– Jan 2024

- Assisted in researching & comparing different solar software with real-life data evaluating their precision & accuracy
- Supported the professor in data collection, analysis, and compiling findings for the research paper

Flat Out Racing Zone

Aley, LBN

Shop Manager

Jan 2017 – Jan 2020

- Managed daily operations, achieving a 95% customer satisfaction rate through exceptional service.
- Provided technical support for computers and gaming equipment, performing upgrades, troubleshooting, and repairs.
- Maintained and organized inventory, ensuring the shop was well-stocked.

Mobile Maintenance

Aley, LBN

- 40 Hours certificate from BAU – Beirut Arab University
- Freelance software and hardware telephones and electronics maintenance and soldering PCB's

Education

RAFIK HARIRI UNIVERSITY

Damour, LBN

Bachelor of Engineering, Mechatronics

Aug 2019 – April 2024

Minor in Mathematics

Relevant Projects: Fire Distinguisher Robot

Water Shooting Robot Competition: 1st place

Self-Balancing Robot: 2nd place

Building Management System (BMS) Automation competition: 1st place

First Lego League competition (FLL) 2018

Robotics Competition in Balamand University: 1st place

Water-Powered Crane (Hydraulics): 1st Place

Clubs: Artificial Intelligence (AI), ASME, IEEE, GDSC, Event Club, Football Team

Final Year Project: Digital Twin Framework for Industrial & Manufacturing Machines

Researched and Assembled Digital Twin

Implemented Digital Twin on KUKA Robot

Leadership & Activities

- Psychology certificates for body language and self-presenting
- Played Football for the 1st Division in Akhaa Ahli Aley FC under 19/ Won several competitions
- Played Football & Futsal for the 1st Division in RHU for Universities League
- Won several sports competitions regarding Marathons, Table-Tennis & Martial Arts
- Clubs: Science and Culture, media officer in Reading & Literature, finance committee and secretary of Health, Sports, and Robotics

Skills & Interests

Technical: Auto-Cad, Tinker-Cad/ Microcap, MATLAB, ROS, Office, Solid Works, Helioscope / PV-Syst / PV-Sol, Blender, C++, Controlling Systems, Work Visual, SolidWorks, Tia Portal (PLC), Visual Studio, Arduino IDE, VS-code

Language: Arabic Bilingual, English Advanced, German Beginner, French Beginner

Interests: Football, Table-Tennis, Swimming, Marathon, Martial Arts, Adventures, Poet, Motorsports