

Jasmine El-Arab

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EDUCATION:

American University of Beirut:

Bachelor of Engineering, Industrial Engineering

Aug. 2021 – May 2025

International College

Lebanese Baccalaureate – Life Sciences

Sept. 2013 – June 2024

EXPERIENCE:

Actual Creations – Final Year Project – Lebanon:

Oct. 2024 - Present

- Led optimization of production layouts and processes using advanced planning techniques, enhancing operational efficiency.
- Analyzed data and developed a simulation model to forecast demand and streamline production at a leading fashion manufacturer.
- Adapted project strategies to overcome political instability and access issues, maintaining progress through effective virtual collaboration.
- Implemented lean principles to reduce waste and improve efficiency, applying 5S methodology to optimize manufacturing processes.

CERTIFICATES:

UAE - NxL Youth Empowerment Program, Third Edition:

Dec. 2024

- 4 Modules: Next Gen Skills, The Art of Personal Branding, The Entrepreneur's Toolkit and Career Accelerator

UAE- NxL Youth Empowerment Program, Second Edition:

Nov. 2023

- 4 Modules: AI Mastery, Empowering Entrepreneurs, Sustainability, and Power of Data

UCLA – Los Angeles

July 2018

- Business of Entertainment Media and Sports

PROJECTS:

Facility Planning:

- Conducted competition analysis based on mealtime, ease of access, parking access, and atmosphere.
- Improved kitchen layout by implementing one one-piece flow in the pastry room.
- Enhanced inventory management by introducing systemic shelving.
- Standardized recipes through the development of a flow process chart.

Project Management:

- Led the renovation of a building into an animal shelter, assuming the role of Project Manager.
- Managed stakeholders identified and mitigated risks (depending on their consequences).
- Utilized AON methodologies to manage all tasks and necessary deliverables, including estimating the dependencies and durations between activities.
- Constructed a breakdown structure to approximate the cost at around \$105,000.

Production and Inventory Planning:

- Led forecasting and production planning for a Korean bakery by analyzing historical sales to meet projected 2020-2021 demand.
- Reduced costs by 29% through EOQ modeling, minimizing inventory and labor expenses via optimized order cycles.
- Applied advanced forecasting techniques using exponential smoothing to predict sales and inform resource allocation decisions.

Event Simulation:

- Led a team to reduce customer waiting times by 10% at Latte Art through discrete event simulation and process optimization.
- Applied Expert Fit and Arena Simulation to enhance service delivery and staffing efficiency during peak hours.
- Coordinated with a team of four, engaging in data collection and analysis, which improved customer service and operational workflows.

Operations Research:

- Engineered and optimized an LP model to maximize profits for a project by analyzing and incorporating production constraints, supply and demand levels, and quality requirements.
- Applied linear programming to determine optimal product mix and pricing strategies, resulting in a calculated profit increase and efficient resource allocation.

EXTRACURRICULARS:

AUB Consulting Club:

Sep. 2022 – Sep. 2023

- Participated in multiple events and workshops to solve cases.

AUB Outdoors:

Construction Team Member

May 2023

- Worked on building a five-meter wood photobooth in a collaborative way with my teammates, It was fully applied by us the project manager gave us the map that we should follow and the raw material, and then all the work was on us.

Women At Work:

Oct. 2024 - Present

Secretary:

- Planned and executed events, including Valentine's Day celebrations and social gatherings, ensuring seamless coordination and engagement.
- Raised funds for NGOs and leveraged social influence to drive awareness and participation in charitable initiatives.

SKILLS:

Languages: Arabic (native), English (fluent), French (B1 level)

Technical: Python, AutoCAD, Microsoft Office (PowerPoint, Excel, Word), Arena Software

Interests: Hiking, Running, Reading