

# YARA IBRAHIM EL OMEIRI

Software development | with a passion for data science and Artificial Intelligence

+961 71 053543 • yaraomeiri55@gmail.com • linkedin.com/in/yara-el-omeiri • Beirut, Lebanon

## Summary

**Dedicated and detail-oriented Data Science student** with a strong foundation in statistical analysis, machine learning, and data visualization. Proficient in Python, SQL, and familiar with data preprocessing, feature engineering, and model evaluation techniques. Experienced in handling and analyzing large datasets, developing predictive models, and presenting data-driven insights. Enthusiastic about applying data science methodologies to solve real-world problems and eager to contribute to innovative projects.

**Motivated and ambitious Data Science student** with a strong understanding of employee rights and obligations. Skilled in coordination, with excellent problem-solving abilities and critical thinking skills. Demonstrates strong statistical analysis capabilities and possesses strong communication and teamwork skills, making me a valuable collaborator in any project

## Education

University of Sciences & Arts (USAL)

Bachelor of Science in Computer Science / Data Science

10/2022 - Present

## Projects

Data Wrangling for Causes leading to deaths in NYC

Beirut, Lebanon

06/2024 - 07/2024

- **Developed a data pipeline** for analyzing leading causes of death in NYC, including data import, cleaning, scaling, transformation, and visualization.
- **Enhanced data quality** through robust wrangling techniques, addressing missing values, outliers, and inconsistencies.
- **Optimized model performance** with feature scaling, normalization, and transformation for improved accuracy and interpretability.
- **Built predictive models** using logistic regression, decision trees, and random forests to identify key mortality factors.
- **Visualized trends and insights** with Matplotlib and Seaborn, aiding data-driven decision-making.
- **Ensured scalability** of the analysis process for future data integration and analysis.
- **Result:** This project highlights the critical role of data wrangling and machine learning in uncovering insights from public health data, providing actionable intelligence to inform policy and healthcare strategies.

Wedding Planner In Software Engineering

Beirut, Lebanon

02/2024 - 05/2024

- **Developed wedding planning software** with integrated guest management, budget tracking, vendor coordination, and task management.
- **Enhanced user experience** with a customizable interface for personalization.
- **Optimized budget control** with real-time expense tracking and alerts for deviations.
- **Implemented a robust vendor** management system for efficient contract and payment handling.
- **Facilitated task management** with customizable timelines, task lists, and calendar synchronization.
- **Improved** collaboration through secure communication channels and real-time messaging.
- **Ensured scalability** and reliability with cloud-based deployment.
- **Used** the Diagrams,PERT and Gantt chart also.
- **Result:** Streamlines wedding planning by centralizing tasks and enhancing coordination, ensuring an organized and stress-free experience..

Moodle Website

Beirut, Lebanon

05/2024 - 06/2024

- Developed a professional web application for researchers using REST APIs and React, featuring a moodle website for the students.
- Built with Python Flask and a MySQL database, the project prioritizes scalability and strong security.
- The application includes an intuitive admin dashboard and leverages client-side rendering for improved performance, also the about, the profile and the dashboard of the students.
- **Result:** Enhanced and facilitated the views of the course and to the admins.

Object-Oriented Programming Project - UMS Project

Beirut, Lebanon

04/2023 - 05/2023

- Implemented a Java-based University Management System in NetBeans for university management, faculty management, attendance tracking, and security measures to ensure data privacy.
- **Result:** effectively managing university operations and improving the overall efficiency of academic and administrative processes.

## Skills

Documentation · Problem Solving · Teamwork · Communication · Project Management · Quick learning · Data Wrangling · Troubleshooting and Optimization · Database Integration and Server-Side Development · Data Modeling and Schema Design · Machine Learning Algorithms · Object-Oriented Programming

## Volunteering

Binary Brains CS Club, USAL  
Organizer, Logistic Team 10/2023 - Present

- Led logistics for 8 tech workshops and networking events, ensuring smooth execution.
- Managed venue setup, equipment, and catering, reducing costs by 20%.
- Increased club engagement by 30% through strategic social media and communication efforts.
- Demonstrated strong problem-solving, teamwork, and communication skills crucial for cybersecurity and networking.

## Languages

Arabic Native ●●●●● English Proficient ●●●●● French Proficient ●●●●●