

# Fouad Soubra

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## Education

### Beirut Arab University

Bachelor in Computer Engineering

GPA: 3.82/4

2020 - 2025

## Work Experience

### IDS Integrated Digital Systems

Aug 2023 - Sep 2023

.Net Full stack developer Intern

Beirut, Lebanon

- Developed a meeting Room Booking System with ASP.NET Core MVC and C# (.NET 6/7), Using Entity Framework Core, JavaScript (AJAX, jQuery), and Microsoft SQL Server 2014
- Built RESTful APIs in .NET Core with interactive documentation via Swagger UI
- Created Responsive interfaces using HTML, CSS and JavaScript

## Skills

**Languages & Framework:** C, Python (NumPy, pandas), PHP, Java, SQL, ASP.NET/MVC, Entity Framework Core

**Web & Tools:** HTML, CSS, JavaScript (AJAX, jQuery), Git, Postman, JIRA, Azure DevOps

**Testing:** Manual & Automation Testing

**SDLC Methodologies:** Agile, Kanban, Waterfall

**Soft Skills:** Problem solving, Adaptability, Project management, Communication skills, Active listening.

## Projects

### WE RESCUE – Wireless sensor network Enabled Remote Emergency System for Crisis Utility and Exploration

Final Year Project (4 months)

- Developed an innovative disaster recovery system that creates its own network to enable communication and navigation in inaccessible areas.
- Developed software for **ESP32 microcontroller** that enables the creation of a **mesh network** allowing the recovery robot to maintain communication in areas without infrastructure, sending critical live streaming data, displayed on a web server for remote monitoring.
- Implemented **YOLO v7** for real-time object detection, identifying humans and other critical entities.
- Integrated Python-based image and data processing on a Raspberry Pi for real-time mapping and system control.
- Demonstrated expertise in **networking, robotics, and embedded systems**.

### Food Ordering System

- Collaborated in a team to develop a food ordering system, built In three languages **C, Python (GUI), and Java**.
- Designed a user-friendly interface and utilized **MySQL** for efficient data management, including insertion, deletion, updating, and retrieval of data.
- Took Responsibility for system **implementation, testing, and debugging**.

### Machine Learning and Data Analysis

- Developed a **CNN** model for handwritten digital recognition (0-9), achieving high accuracy
- Applied **SVM** on heart disease data (80%+ accuracy), using kernels and 3D visualization for insights.

## Achievements & Awards

### 1<sup>st</sup> Place in Robotic D.A.R.E Competition

LAU School of Engineering, April 2024

The “WE RESCUE” team won against top universities in Lebanon developing a cost- effective disaster response solution with a budget of 500\$.

**Certificate in responsive web design:***freeCodeCamp, Aug 2021*

Developed five responsive web design projects during the Responsive Web Design course.

**Cisco certified IT-Essential:***Cisco, Dec 2021*

PC Hardware and software, install computer components, implement security, and troubleshoot hardware and software issues.

**Languages**

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**Arabic:** *Native Language***English:** *Fluent***French:** *Fluent*