

# Jad Sassine

COMPUTER AND COMMUNICATIONS ENGINEER

Beirut - Lebanon

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## Education

### American University of Beirut

Beirut, Lebanon

BEN in Computer and Communications Engineering

2020 – 2024

- Track in Communications and Networking
- GPA 3.38 / 4.0

### Saint Joseph School

Cornet Chehwan, Lebanon

High School Degree

2005 – 2020

- Lebanese Baccalaureate
- Specialized in General Sciences

## Experience

### Software Engineering Project

Beirut, Lebanon

Sports Management Software

Jun 2023 – Apr 2023

- Led a team of 6 as product manager to streamline development.
- Utilized Agile methodology to manage project progress, adapt to changing requirements, and ensure timely delivery of high-quality software.
- Developed user-friendly and responsive front-end interfaces using ReactJS with modern design principles to optimize user experience.
- Collaborated with professors to gather requirements, prioritize features, and define the product roadmap resulting in a comprehensive and functional software solution.

### Cryptography Project

Beirut, Lebanon

AES implementation

Jun 2023 – Apr 2023

- Built an Advanced Encryption Standard (AES) algorithm in C from scratch, achieving a 128-bit encryption key for secure data storage.
- Designed and developed custom modules for reliable defense against side channel attacks which improved the overall efficiency and security of the implementation.
- Collaborated with a team of two developers to integrate the AES implementation into a larger software project.
- Conducted thorough testing and validation of the implementation to ensure proper functionality and resistance against attacks.

### Personal Project

Beirut, Lebanon

Game Development

May 2021 – present

- Learned video game development using Unity.
- Created sample mobile games on my laptop using Unity.
- Integrated C# as a programming language to optimize game performance.

## Extracurriculars

### AUB Phoenix

Beirut, Lebanon

Captain of Futsal Varsity Team

2022 - present

- Led my team as captain to second-place finish in the LFUC tournament, featuring 21 universities from across Lebanon.

### AUB Consulting Club

Beirut, Lebanon

Club Activity

2022-2023

- Participated in a several workshops and discussions.
- Planning to participate in upcoming practice sessions for consulting case studies.

## Skills

**Programming** Python (NumPy, Matplotlib), JavaScript, C#, C++, Java, VHDL, HTML, Matlab, ReactJS

**Soft Skills** Teamwork and communication, leadership ability, problem solving, critical thinking

## Languages

**Arabic** Native proficiency

**English** Bilingual proficiency

**French** Professional working proficiency