

# Omar Succar

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## EDUCATION

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**American University of Beirut - Beirut, Lebanon**

2020 to 7/2024

- Bachelors in Computer and Communications Engineering, pursuing a double concentration in software engineering and networking.

## PROJECTS

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**Car Dealership Website (Software Engineering Course Project)**

February 2023

- Working on developing a car dealership website
- Learning software processes including requirements gathering, design (prototyping), development, testing and deploying.
- Having weekly Agile sprints in a team of 6 and working as a team using Agile methodologies (scrum, standups, sprint planning and reviews)
- Learning how to use Jira effectively to practice Agile

**Recommendation Report (Technical English Course Project)**

November 2022

- Worked with four engineering students over three months span to study the recommendation of using chitosan-based batteries in electric vehicles instead of the typical lithium-ion batteries.

### Other projects

- Designed along two engineers an 8-bit arithmetic and logic unit that takes inputs and performs several operations (Digital System Design Course).
- Single-handedly did a research/project on how to filter noisy audio signal to obtain a reduced, smoother signal using python. (Signals and Systems Course)

## COURSES AND CERTIFICATIONS

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- **EECE 330:** data structures and algorithms
- **EECE 455:** cryptography and network security (encryption techniques, block ciphers, AES, DES, public key cryptography, hash and MAC algorithms, digital signatures)
- **Google IT Support** (Coursera)
- **Google: The Bits and Bytes of Computer Networking** (Coursera)

## SKILLS

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### Hard

- Languages: Arabic (native), English (fluent), French (elementary knowledge), Spanish (elementary knowledge)
- Programming: C/C++, Python, VHDL, learning MySQL database
- Development: HTML/CSS/ JavaScript/ React/ Bootstrap
- Other: Data structures, Assembly language programming, web development, cybersecurity

### Soft

- Problem-solving, teamwork, communication, leadership, adaptability, creativity, patience, perseverance.

## ACADEMIC ACHIEVEMENTS

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- School's honor list in nearly all years of enrollment.
- 1st place over all Lebanon's schools in LU Science competition for the project "Bokashi" in the renewable resources category.

## EXTRACURRICULAR ACTIVITIES

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### Clubs

- Public relations officer of the Lebanese Heritage club AUB
  - Contributed to the organization of several events (ones with 600+ audience)
  - Responsible for sponsorships, design and program making for the events
- Member of IEEE AUB
- Member of Archery club AUB
- Member of Google Developer Student Club AUB