Houssam Al Deen Soboh

📍 Jeih,Saadeyat   ✉ hjs21@mail.aub.edu   📞 81 930 467

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Education

American University of Beirut   **2022 − 2026**
Bachelor of Engineering in Computer and Communications Engineering – GPA: 3.92/4.0   *Beirut, Lebanon*

AL Galilee Secondary School-UNRWA – Beer Hasan Lebanese Baccalaureate   **2019 − 2022**
High School Diploma, Life Sciences – Official Grade: 18.2/20.0   *Beirut, Lebanon*

Relevant Coursework

- Data Structures & Algorithms: A
- Intro to Machine Learning: A
- Linear Algebra: A+
- Communication Systems: A
- Signals and Systems: A+
- Numerical Computing: A+
- Digital Systems Design: A+
- Computer Networks: A+
- Electronics: A+

Experience

Fekra Project   **Jan. 2025 − Present**
Member   *Remote*
- Developed a static website to showcase the project aimed at helping students.
- Planned expansion of the platform to host applications for various student opportunities.
- Conducted online sessions on Python and C++.

American University of Beirut   **Jan. 2024 − Jan. 2025**
Undergraduate Research Assistant – AI in Neuro Radiology   *Beirut, Lebanon*
- Engaged in early-stage research; reading papers and exploring relevant technologies.

American University of Beirut   **Jan. 2023 − Jan. 2024**
Teaching Assistant – C++   *Beirut, Lebanon*
- Assisted with EECE330 – Data Structures and Algorithms.
- Provided labs, office hours, and student support.

Dar Al-Handasah (Shair and Partners)   **June 2025 − Jul. 2025**
Telecom Engineering Intern   *Beirut, Lebanon*
- Contributed to the design of low-current systems: Structured Cabling, IP Telephony, and Fire Alarm.
- Reviewed and annotated telecom schematics using AutoCAD and Excel-based schedules.
- Assisted in standards compliance based on ANSI/TIA, IEEE, NFPA, and ULC guidelines.

Projects

Website Development – Fekra Project
- Developed a Static Website to showcase the Project aimed towards helping students.

Chatting Application – YallaChat — *Python*
- Peer-to-peer chat app using TCP and UDP protocols for message and file transfer between users.
- Supports group chats similar to WhatsApp.
- Supports additional features like multi-user communication.

Research – AI on Patrol — *Recommendation Report*
- Contributed to a recommendation report evaluating predictive policing vs AI-powered surveillance systems.

Technical Skills

Languages: Python, C++, MATLAB, Assembly
Technologies/Frameworks: Socket Programming (TCP/IP), VSCode , flask.