

Alaa Saasouh

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EDUCATION

Lebanese American University <i>B.S. Computer Science</i>	2022-2025
Lebanese National College <i>Lebanese Baccalaureate</i>	2008-2022

SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS, PHP, SQL, Verilog, \LaTeX
Languages Proficiency: English (proficient), Arabic (Native language)

PROJECTS

FlyMedia | *JavaScript, HTML/CSS, PHP, SQL*

- Developed a fully functional website for a Social media/marketing agency.
 - Frontend Development for FlyMedia Website:
 - Homepage showcasing services and promotions
 - User-friendly navigation
 - User authentication, registration, and shopping cart functionality
 - Responsive design with search feature
 - Contact page and social media integration
 - Backend Development for FlyMedia Website:
 - Inventory and order management
 - Customer profiles and order history
 - Analytics, security measures
 - Regular maintenance and updates

HLS | *Database, SQL*

- Database for Hospital Lab Management Tracking System “HLS” for the CSC 375: Database Management Systems course project
 - Designed an ER diagram
 - Converted the ER to relations based on the 7 step algorithm
 - Implemented the database in SQL and performed queries
 - Normalized the database until BCN

RISC Processor | *Verilog*

- Design of a simple RISC Processor for the course CSC 320: Computer Organization.
 - Defined a minimal instruction set architecture
 - Implemented a control unit using a finite state machine and established memory hierarchy with instruction and data memory units.

EXPERIENCE

Lab Teaching Assistant <i>TA</i> CSC 243: Intro to Object Oriented Programming <ul style="list-style-type: none">Assisted students during lab sessions, helping them understand and solve programming problems.Explained the problems given and helped them visualize a solution	LAU, 2022-present
Data Entry <i>DE</i> Yes program: student exchange program <ul style="list-style-type: none">participated in workshops and learned essential data entry techniques and practices	Iowa, USA-2021