

CAREER SUMMARY

Computer Engineering student at the Lebanese American University with experience in software development, database systems, testing, and data management. Skilled in Python, Java, SQL, API validation, and structured problem-solving. Experienced in building database-backed applications, performing regression testing, and verifying system reliability through testing and validation. Detail-oriented, proactive, and eager to contribute to high-quality software products in collaborative engineering environments.

SKILLS

Programming: Python | Java | SQL (joins, indexing, performance basics)| Linux |VHDL| C++ (familiar) | Bash CLI

Tools & Technologies: Microsoft Excel | FastAPI | Postman | Google Sheets | MATLAB |Git | GDB | GitHub | VS Code | Eclipse | MySQL Workbench | CLI tools | Qt | PyQt| Ubuntu

Soft Skills: Attention to Detail |Problem-solving | Analytical thinking | Clear communication | Team collaboration | Troubleshooting mindset | Adaptability | Fast learner

Relevant Coursework: Software Engineering (COE 416): Software Development Life Cycle (SDLC), Agile methodologies, requirements engineering, software testing, validation, documentation, and team-based software development.

PROFESSIONAL EXPERIENCE

AFTER SCHOOL INTERN | Tumo Beirut | BDD Oct 2019 – Jan 2020
Completed an after-school internship focused on creative technology and hands-on digital learning.

LebNet Tech Fellows 2026 Cohort | San Mateo, US| remote June 2026- Aug 2026

- Selected for a competitive AI fellowship focused on machine learning fundamentals, large language models (LLMs), and agentic AI systems.
- Participating in expert-led technical training, hands-on assignments, and an AI capstone project focused on real-world AI applications.

PROJECT EXPERIENCE

DocuCaption Pro | Full Stack Development [link](#) May 2026 – Present

- Built a full-stack Word document automation system that processes .docx files, detects figures and tables, generates editable captions, and exports corrected Word documents.
- Designed browser-side DOCX analysis to identify missing, duplicate, and existing captions while preserving the original uploaded document.
- Implemented native Microsoft Word caption support using SEQ Figure and SEQ Table fields, with support for Table of Contents, Table of Figures, and Table of Tables.
- Developed a secure backend AI caption generation service using Node.js, Express, Supabase, and Gemini API, with authentication, usage limits, and protected document handling.
- Designed and executed regression testing procedures for DOCX parsing and export functionality, identifying and resolving edge cases to improve reliability.

ISTIDLAL| Full stack Development [link](#) Apr 2026

- Built a browse-first educational platform for science and technology that transforms curated YouTube content into structured topic exploration
- Designed a topic-first experience with categories, curated collections, and deterministic learning paths
- Built a content pipeline that ingests trusted YouTube metadata, classify videos, and stores them using Prisma and SQLite
- Added continuation-focused personalization with saved videos, recent activity, and next-step recommendations without requiring user accounts

SAM-Libraries| Database & Backend Development [link](#) Nov 2024- Dec 2024

- Built a database-driven application designed to manage book inventory, customer data, and online transactions as part of team of three.
- Implemented backend services using Python (FastAPI) and contributed to the MySQL database scheme.
- Worked with Angular for interface integration and API communication.
- Ensured data consistency and performance through structured queries and optimized endpoints.
- Performed API validation and database testing to verify data consistency and application functionality.

EDUCATION

LEBANESE BACCALURATE DEGREE | General Sciences 2021 – 2022
Grade: distinction

BE | Computer Engineering | Lebanese American University
Clubs: IEEE AI Club, Software Engineering Club Fall 2022 – Fall 2026

LANGUAGES

Arabic: C1 French : DELF (B2) English: B2