



HALA EL AKHRASS

Computer Scientist

CONTACT

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EDUCATION

Lebanese American University

- Senior Computer Science Student
2023-2026
Distinction List Fall2023
Distinction List Spring2024
Distinction List Fall2024
Distinction List Spring2025

SKILLS

- Technical Skills in Python, Java, C, SQL, HTML, CSS, JavaScript, PHP, React, MySQL, PostgreSQL, XAMPP, Netbeans, Supabase, Node.js, GitHub, Phaser.js, API
- Professional Skills: Project Leadership, Critical Thinking, Problem Solving, Effective Communication, Team Collaboration, Time Management
- Cybersecurity Testing: XSS, SQL injection, Buffer Overflow

EXPERIENCE

- Backend Engineer
- Software Development Internship- Greateck
- Tech Conference Attendee- DevFest 2025
- Software Engineering Participant- 42 Piscine
- Cybersecurity Research Explorer
- Web Developer

ABOUT ME

I am a senior Computer Science student at **Lebanese American University** with a 3.90 GPA. I've developed coding skills across several programming languages, as well as experience in database management, web development, game development, artificial intelligence and cybersecurity. I am passionate about my field, enjoy learning, developing my critical thinking and problem solving, and becoming more experienced in the workplace.

PROJECTS

Software Development Internship at Greateck with outstanding performance

Web Development Project | June 1st, 2025 – July 31st, 2025

Worked on a **Phaser.js** browser game, implementing gameplay features, user authentication, and backend data handling via Telegram WebApp integration and **Supabase**, while supporting **Node.js** backend setup.

Tech Conference Attendee- DevFest 2025

Attended talks and workshops on code review best practices, testing strategies, and software development processes. Gained hands-on experience with **Agentic AI** on GCP, MCP, A2A & Cloud Native Integrations, project deployment locally and on Google Cloud, and building AI-powered applications like a CV analyzer using **Google Cloud** tools.

Cybersecurity Research Explorer

Conducted in-depth research on the ILOVEYOU virus and multiple other viruses and worms, analyzing attack vectors, malicious scripts, targets, and impact. Performed sandbox experiments testing **buffer overflows**, **XSS**, **SQL injection**, code injection and related exploit techniques, then proposed mitigation and future-prevention strategies.

Database Management System Developer

Collaboratively developed an Online Shop database management system, designing ER diagrams, relational models, tables, and data insertion in **MySQL**. Implemented SQL triggers and queries to support a GUI in **NetBeans**.

Web Developer- My Resume Website

Built a clean, responsive personal portfolio using **HTML** and **CSS** to showcase projects and skills:
<https://halaakh.github.io/myResume/>

Software Engineering Participant- 42 Piscine

February, 2025
Completed an intensive **C**, **Bash**, and **Git** bootcamp focused on algorithmic problem solving, collaborative Rush projects, and weekly assessments that strengthened debugging and efficient-code practices.

Web & Backend Developer- Resin by Hala E-commerce Project

Developed a responsive online store for a resin art company, integrating product categories, user authentication, cart system, and custom orders. Managed both frontend design and backend logic using **PHP**, **MySQL**, and **XAMPP**.

Ramzi Computers – Online Tech Retail Platform

Developed a fully functional online store, including product browsing, reviews, personalized recommendations, and live order tracking. Contributed to both frontend and backend development to enhance user experience and online tech purchasing.

SafeSend – Secure File Sharing Application

Created a multi-client secure file-sharing desktop application with **Tkinter**, implementing user authentication, file upload/download, directory management, per-user download folders, and server-side logging in **Python**.

C E R T I F I C A T E S

- LinkedIn Learning- HTML Essential Training
 - LinkedIn Learning- CSS Essential Training
 - LinkedIn Learning- JavaScript Essential Training
 - LinkedIn Learning- Git Essential Training
 - Greateck Certificate of Internship
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C O U R S E S T A K E N

- Introduction to Object Oriented Programming
- Objects and Data Abstraction
- Algorithms and Data Structures
- Software Engineering
- Web Programming
- Computer Security
- Database Management System
- Computer Networks
- Digital Cultures - AI and Cyber Security