



# HALA EL AKHRASS

Computer Scientist

## CONTACT

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Beirut, Lebanon

## 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 Collaboraion, 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**.

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## 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