

Antoine Maroun Harb

Nationality: Lebanese & Ecuadorian | **Address:** Jdeidet El Matn, Lebanon | **Phone:** +961 79 146 269 |
LinkedIn: www.linkedin.com/in/antoinemharb | **Email:** antoinemharb@outlook.com | **GitHub:** <https://github.com/Taco-lb>

Summary

A dedicated Computer Science graduate with expertise in frontend development and machine learning, with intermediate experience in full-stack development. Recognized for rapid learning, data-driven problem-solving, and delivering results in both collaborative and independent environments. Eager to grow, learn, and apply technical skills in innovative projects.

Work Experience

Frontend Development Intern

Aug 2024 – Oct 2024

Hiperlinx Cybersecurity, Beirut, Lebanon (Hybrid)

- Collaborated on intuitive **UI/UX** design using **Figma** and modern design principles.
- Developed original 15+ frontend features and components in **React.js** and **Vite**, reducing redundancy by 70%.
- Participated in **agile sprints**, completing over 35+ tasks tracked via **Asana** and **Bitbucket** with timely delivery.
- Conducted API testing using **Postman** to increase the frontend-backend consistency.

Projects

Portfolio Website (<https://antoinemharb.pages.dev>)

May 2025 - June 2025

- Developed a creative and intuitive **UI/UX** design for my personal portfolio website.
- Developed a strong file structure while maintaining a clean and modular code base in **React.js** and **Vite**.
- Hosted as a static website using GitHub and Cloudflare pages.

Sign Bridge: American Sign Language Alphabet Learning & Transcription Web-App

Dec 2024 - Apr 2024

- Trained a **Convolutional Neural Network (CNN) Keras** model on an augmented American Sign Language (ASL) alphabet dataset, achieving an optimized F1 score of 81 to 90%.
- Utilized **MediaPipe**, **OpenCV**, **CvZone**, and **scikit-learn** for landmark extraction, recognition, and validation.
- Built a responsive **frontend** with React.js and Vite, creating 10+ custom components and reusable **Higher Order Components (HOCs)**.
- Engineered a **Python Flask** backend with **WebSocket (WSS) APIs** for real-time, sub 300ms, sign detection.

Education

Bachelor of Science in Computer Science (4.0 GPA + Highest Distinction)

Oct 2020 - May 2025

Arts, Sciences, and Technology University in Lebanon (AUL), Beirut, Lebanon

Skills & Expertise

Programing Languages & Frameworks: Java, Python, JavaScript (ES6+), PHP, SQL, HTML5, CSS3, React.js.

Libraries, Tools, & OS: Flask, MediaPipe, OpenCV, Git, Postman, Figma, Bash/Shell Scripting, Windows, Linux.

Soft Skills: Teamwork, Data-Driven Problem-Solving, Leadership, Patience, Communication, Flexibility.

Certifications

IT Specialist - HTML, HTML5, and CSS

Mar 2023

- Pearson's Certiport (<https://www.credly.com/badges/0a888867-7f8e-4590-b531-bbf4bffe3e8>).

Award of Excellence – Outstanding Performance Throughout Bachelor's Degree

Jul 2025

- Arts, Sciences, and Technology University in Lebanon (AUL), Beirut, Lebanon

Languages

Spanish: Native | **English:** Fluent | **French:** A2-B1 Level | **Arabic:** Elementary