

Hala Ezzeddine

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Education

MSc. in Computer Science (2023-July 2025) | LAU

BS in Computer Science (2020-2023) | LAU

Technical Skills

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|---------------------------------|--------------|------------|
| ▪ Java, Python, and C languages | ▪ HTML & CSS | ▪ Power BI |
| ▪ ReactJS | ▪ PHP | ▪ Spark |
| ▪ SQL | ▪ Git | |
| ▪ Linux and Bash | ▪ Matlab | |
| ▪ Regex | ▪ Latex | |

Professional Experience

- Graduate teaching assistant at LAU (Java, Python, C). (2023 – 2025)
- Frontend Development Internship at BrainKets (Feb. 2025): **ReactJS**, Redux, Tailwind CSS.
- Python instructor at Moubarmijah (Nov-Dec 2023)
- Web Development Internship at Aiia Solutions (June - August, 2022):
 - Python, **Django**, PostgreSQL, MongoDB, HTML and **GitHub**.
 - I have worked on the company's e-commerce project.

Projects

- Currently working on a Federated Learning project for Forest Fires Detection.
- We have developed a File Manger system in a team of 4 interns at Brainkets.
- I have trained a neural network model for Sign Language Classification (image classification), and have worked with RNNs, CNNs
- Theft detection **IoT device**. A Raspberry Pi microprocessor was used to detect changes in the environment and communicate with a website.
- **Ecommerce web application**. It contained an admin portal and a user portal that utilized all CRUD operations. This was done using **php**, HTML, CSS, and JavaScript. "phpMyAdmin" was the database used.
- A **mobile application** to calculate Body Mass Index (BMI). Developed using java in **android studio**. 2 other apps were developed in groups.
- A "Virtual Learning Assistant" software. It was accomplished in a group of 3. We have applied the software development process from requirements identification till unit testing.

Research

Energy-Efficient Solar-Powered UAV-Assisted Reliable Data Collection Considering IoT Elevation: <https://ieeexplore.ieee.org/document/10881526>

Additional Information

Address

Beirut, Lebanon

LinkedIn

<https://www.linkedin.com/in/hala-ezzeddine-9b56001bb>

Languages

English

Arabic

French

Certifications

Semicolon Academy: Completion of "Ethical Hacking Foundation" course, ETH-101. (30 hrs of bug hunting and penetration testing)

Extracurricular Activities

- LAU Semicolon Ambassador 2024-2025
- **All Girls Code:** Completion of Techsplore2022 (Advanced Track).
- **MMKN Organization:** volunteering in the education support program as a math tutor Spring2021.