

# Ali Ghaddar

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## Employment Experience

### Setraa Advanced technologies, FreeTex, The Metropolis Forums

Frontend Web Developer

Remote

June 2019 – Present

- Recreated and enhanced websites, translating to Arabic, improving look, feel, and response time, using HTML5, CSS3, Bootstrap, and JavaScript
- Ensured user-friendliness and responsiveness across different devices and platforms
- Collaborated with design teams to align website aesthetics with company branding and visual identity
- Conducted thorough testing to ensure websites met desired specifications
- Provided ongoing maintenance and support to ensure smooth operation and meet clients' evolving needs.
- Collaborated with the marketing team to enhance the website's search engine optimization (SEO)

### Setraa Advanced Technologies

Backend Web Developer

Remote

June 2020 – June 2022

- Managed and maintained a web-based warehouse management system for the company, providing incremental upgrades to meet evolving needs
- Replaced the traditional paper-based system for requesting materials with a digital material request system, streamlining the process and improving efficiency backed by a MySQL Database.
- Created a user-friendly interface for the material request system using HTML, CSS, JavaScript, and JQuery, ensuring ease of use for all users
- Wrote and maintained PHP code to facilitate communication between construction sites, stores, and procurement departments, enabling seamless collaboration across different areas of the business
- Conducted thorough testing and debugging processes to ensure data accuracy and integrity, minimizing errors and ensuring smooth operation of the system
- Implemented system security measures to protect sensitive data, ensuring that confidential information was kept safe and secure.

### IdealWorks

Development and Research Assistant

Remote

April 2022 – November 2022

- Worked on the ontology and code base for IdealWorks, utilizing programming languages such as Python, Prolog, and XML.
- Utilized OWL and RDF to develop and maintain the ontology of IdealWorks' system, ensuring accurate and up-to-date records for efficient operation.
- Conducted research on the robot autonomy system of IdealWorks, including data collection and analysis, to identify areas for improvement and innovation.
- Collaborated with the team to implement improvements, and tested and validated the changes to ensure they met the desired specifications

### 1TRIBE

Backend Developer

Remote

October 2022 – March 2023

- Developed and maintained a web-based system for a gym, consisting of an admin app for coaches and a client app for display screens
- Created an admin app using Node.js and Express that enabled coaches to initiate and manage workouts effectively
- Developed a user-friendly client app for display screens using HTML, CSS, and JavaScript, providing gym members with easy access to workout information and progress tracking
- Utilized web-sockets through socket.io to ensure consistency and robustness against power and internet outages
- Wrote and maintained Node.JS and JavaScript code to facilitate communication between the admin and client apps, enabling seamless collaboration between coaches and gym members

- Implemented a database to simplify operation and enable saving of workout templates, improving efficiency and productivity.

## **Lebanese American University**

Byblos, Lebanon

Research Assistant

January 2023 – Present

- Currently working as an undergraduate research assistant with Dr. Samer Saab in the field of bibliometrics
- Conducting thorough research and analysis of existing algorithms to identify gaps and opportunities for improvement
- Assisting in the development of a new ranking algorithm for academic institutions
- Conducting testing and validation to ensure the accuracy and effectiveness of the new algorithm
- Contributing to the writing and publishing of research papers on the new algorithm and its impact on the field of bibliometrics.

## **Education**

### **Lebanese American University**

Byblos, Lebanon

B.E. in Computer Engineering

September 2019 – Present

CGPA: 3.33

- Senior with emphasis on software and telecommunication
- Recipient of Engineering Scholarship and MUN Diplomacy Scholarship

## **Extracurricular Activities**

### **GC LAU Model United Nations**

Beirut - Byblos, Lebanon

Trainer

October 2019 – Present

- Trained and mentored high school students in Model United Nations program
- Led workshops on public speaking, debate, and international relations
- Facilitated simulations of United Nations committees, encouraging students to research and represent the positions of their assigned countries
- Developed and implemented lesson plans to teach students about current global issues and the United Nations
- Participated as a Dais Member in various MUN, MEU, and MGG conferences.
- Mentored individual students to help them improve their research, writing, and public speaking skills
- Evaluated student progress and provided constructive feedback to help them achieve their full potential in the program.

### **Zaka AI Bootcamp**

Remote

1<sup>st</sup> Place

August 2021 – September 2021

- Won AI Bootcamp competition with a driver drowsiness detection system project
- Utilized principles of Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, and Time-Series Analysis and Prediction to develop the system
- Created and trained machine learning models to accurately detect drowsy drivers based on real-time video data
- Implemented computer vision algorithms to analyze driver behavior and identify signs of fatigue
- Presented the project at the AI Bootcamp competition and received recognition for the innovative and practical solution.

### **Hyundai Startup Competition**

Beirut, Lebanon

Finalist

August 2016 – September 2016

## **Skills**

**Technologies:** HTML, CSS3, JavaScript, PHP, MySQL, MongoDB, Python, Node.JS, jQuery, JAVA, Git, Docker, Bash, Kubernetes, AJAX, Bootstrap, Tailwind CSS, Scikit-Learn, TensorFlow, Matplotlib, NumPy, PyTorch.

**Soft:** Teamwork, Leadership, Research, Advanced Analytical Thinking, Software Logic, Visual Design, Knowledgeable in User Interface/User Experience, Adaptability, Database Management.

**Languages:** Arabic – Native Speaker, English – Highly Proficient, French – Working Knowledge

## **References:**

Available upon Request