

Curriculum vitae

PERSONAL INFORMATION

Mohammad Ali Assad Hamdan



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Lebanese Nationality

STUDIES APPLIED FOR

Electronics and Telecommunication

EDUCATION AND TRAINING

- 2013–2014 **Masters II: AVEN (Audio Visual Engineering)**
Lebanese University, Al Hadat, Beirut (Lebanon)
Microwave signal transmission and reception, video-audio data compression, analog and digital signal conversion, IP network communication
- 2012–2013 **Masters I: Electronics and Telecommunication**
Lebanese University, Al Hadat, Beirut (Lebanon)
Rank: 3/13 (73/100)
- 2009–2012 **Bachelor in Electronics**
Lebanese University, Al Hadat, Beirut (Lebanon)
Rank: 3/21 (70/100)

WORK EXPERIENCE

- 2021/2023 **Circuit PCB Design** (github.com/mohammad-Ali-hamdan)
- Controlling car motors using L298N driver with ATmega328
 - Safety free falling subjects (humans and objects)
 - Measuring distance using Ultrasonic sensor and displaying distance using LCD 16*2
 - Keyless Door Lock System using Atmega328 and Keypad 4*3 and LCD display
 - Festival LED watches Control (unfinished)

Artificial Intelligence Certifications (DeepLearning.AI)

- Neural Networks and Deep Learning [certification](#)
- Improving Deep Neural Networks: hyperparameter tuning [certification](#)
- Structuring Machine Learning Projects [certification](#)
- Convolutional Neural Network [course](#)

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- Finger recognition project (github.com/mohammad-Ali-hamdan)
- Car detection project, Image classification using CNN (unfinished)

2020-2022 Lebanese Atomic Energy Commission (CNRS)

- PCB Circuit Designer (Altium)
- Certification "Ion Accelerators in the analysis and quantification of elements" from Arab Atomic Energy Agency.

2017-2020 LS Electronics

- PCB Circuit Designer (Altium, OrCAD)
- Programming C# software
- Electrical installation and maintenance

2015-2017 Testing and Special Design (TSD)

- Machine maintains (Electronics Boards).
- Electrical installation and maintenance
- PCB Circuit Designer (Altium, OrCAD).

2012-2014 Al Mada Studio

Technician assistant.

2009-2014 Private Teacher

Private physics and math teaching for high school secondary stages

PERSONAL SKILLS

Mother tongue(s) Arabic

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B1	B1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Patient and open minded, while listening to customer's issues to solve them.
- Good communication skills gained through my experience with students and speaking to their families.

Organisational / managerial skills

- Leading my lab team (4 colleagues).
- Master I and II, speak on behalf my colleagues, organize events and manage PowerPoint presentations.

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- Work skills**
- PCB Circuit Design.
 - Programming Windows Form application C#
 - Soldering electronics and wires.
 - Technician, unscrew machines and repair them if possible.
 - PC Troubleshoot, narrow the issues and solve them.
 - Strong work ethics and take job seriously.
 - Time Management.

Digital skills

Altium - Proficient user
C - C# -python- MySQL - Independent user
HTML - CSS - JavaScript - Basic user
AutoCAD, SolidWorks - C++ - MATLAB - Basic user