

Hadi Ballout

COMPUTER & COMMUNICATION ENGINEER

Objective

I am a Ph.D. student specializing in Edge/Cloud Big Data Management and Machine Learning at the Department of Electrical, Electronics, and Telecommunication Engineering and Naval Architecture (DITEN) at the University of Genoa.

Education

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| 2023 - current | University of Genoa, Genoa - Italy
PHD in Machine and Deep Learning

Topic: "Edge/Cloud Big Data Management and Machine Learning" |
| 2019 - 2021 | Lebanese International University, Beirut - Lebanon
MS Computer and Communication Engineering

Thesis: "License Plate Recognition from Mobile Phone using OpenCV and TensorFlow" |
| 2016 - 2019 | Lebanese International University, Beirut - Lebanon
BS Computer Engineering

Project: "Eye Gaze Detection using OpenCV from Mobile Phone to help autistic people" |

Experience

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| 2021- 2023 | When I graduated from my MS degree, I started teaching courses in my university (LIU) and the courses are the following:

<ol style="list-style-type: none">1. Machine Learning Lab (applying some supervised and unsupervised learning algorithms)2. Linux Lab3. Scripting Languages Lab (Python and Octave)4. Network Lab (CCNA2)5. Introduction to Engineering (Arduino)6. Introduction to Computers (MS Word, Excel & PowerPoint) |
| 2019 - 2023 | Solution Developer, LIU

<ol style="list-style-type: none">1. Develop, test & implement new Functionalities2. Test, maintain & recommend improvements to ensure strong functionality and optimization3. Produce clean, efficient code based on specifications |

Projects

- Smart Sensor System Architecture for Bridge Damage Assessment using Deep Learning Models (CNN, Wavenet and Mini Rocket) | PHD Project
 - Wholesale Distributor benefits from customer segments using data mining | Data Mining Course Project
 - XO-game dataset training using Back Propagation algorithm | Machine Learning Lab Project
 - Password Protection System using Eclipse | Cryptography Course Project
 - SELinux | Information Security Course Project
 - Morphological Operations | Image processing Course Project
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Languages

Arabic	Native language
English	Fluent in speaking, reading, and writing
French	Basic Knowledge

Skills

Java, Python, Jupyter Notebook, Machine and Deep Learning, C, Matlab, SQL, Html, CSS, Javascript, PHP, Flutter, VHDL, Assembly, Packet Tracer, MS Office, Android Studio, Proteus, Xcode