Zahraa Al Ahmar

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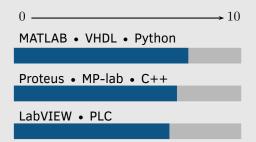
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Skills

Overview

Programming

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MATLAB • VHDL • Python

Proteus • MP-lab • C++

LabVIEW • PLC

Computer Skills

MS Excel: Advanced Formulas, Tables Formatting and Advanced Charting.

MS Project: Management and Developing a schedule, Assigning Resources to Tasks and Tracking progress.

Email Communication.

Data Visualization.

Primavera: Prioritizing, Planning, Managing, and Executing Projects.

Operating Systems: The Critical, Low-Level Software That Supports all Other Applications.

Education

2016 - 2018 **Master's degree (GPA 71/100)** Lebanese University - Faculty Of Science
Signal processing and telecommunications

2013 - 2016 **Bachelor's degree (GPA 62/100)** Lebanese University - Faculty Of Science
Electronics

Courses

2016 - 2018 **Master's degree**
- Digital communications and signal processing.
- Embedded systems.
- Power electronics.
- Conception of integrated circuits.
- Antennas.
- Image processing and pattern recognition.
- Digital communications-wireless networks.

2013 - 2016 **Bachelor's degree**
- Circuits-semiconductors.
- Microprocessor.
- Logic systems.
- Programming for electronics.
- Analog communications.
- Modeling techniques.

Projects

Feb 2018- July 2018 **LDA face recognition** Lebanese University - Faculty Of Science
- Recognition of 40 different faces using 5 images for training the software and 5 images for testing it.
- The result was 92% of correct detection out of 200 tested images.
- The Database obtained from AT&T
- Tools : Matlab, pyhton

Feb 2016- July 2016 **Digital video stabilization** Lebanese University - Faculty Of Science
- Software for real time video stabilization implemented on Raspberry Pi using three different methods.

Experiences

2 years **Private tutoring**

16 hours **Arduino teacher:** gave Arduino sessions for building basics robots (Working on Arduino UNO)

References

Full Professor **Dr. Oussama Bazzi** Lebanese University - Faculty Of Science
- obazzi@ul.edu.lb

Full Professor **Dr. Yasser Mohanna** Lebanese University - Faculty Of Science
- yamoha@ul.edu.lb