

# Curriculum Vitae

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## Objective

To find a job that feels like home. Experience, skills and knowledge are all acquired faster whenever you love what you are doing and have the desire to genuinely evolve in that specific place. In the software development field, languages and tools used are ever changing so to keep up, you need much more than your typical 8-5 job, you need passion given that you have the base logic.

## Education

Since Nov 2019: University of Siena  
PhD in information engineering and science

2010-2012: LEBANESE INTERNATIONAL UNIVERSITY (LIU)  
Masters of Science in Computer and Communication Engineering

2007-2010: LEBANESE INTERNATIONAL UNIVERSITY (LIU)  
Bachelor in Computer Engineering

## Research Experience:

Since Nov 2019: PhD in information engineering and science  
Generation of synthetic satellite images using GANs

Sept 2012-Mar 2013: Internship at Irstea, UMR tetis.  
Treatment of LIDAR waveforms to obtain bathymetry.

2012: Master thesis Lebanese International University  
Joint Channel Estimation and Synchronization in the Presence of CFO  
and SFO for OFDM System

2010: BS project Lebanese International University  
SMS and Ethernet based remote control for home appliances

## Experience:

Aug 2013-Oct 2019: Software Developer at WiCom/ Technical Lead at Yuvo

### **Responsibilities:**

- i. Code applications following specifications from business using appropriate tools
- ii. Performed research to present solutions for use cases to meet business needs using new technologies (mainly open source big data f.e. Hadoop)
- iii. Work independently and take initiative
- iv. Translated ideas and business requirements into fully functioning ETL workflows
- v. Maintain and modify existing applications

- vi. Troubleshoot, debug, monitor and upgrade existing systems
- vii. Review the code implemented by other developers in the team

## Programming Languages and Software

- SQL Server, Vertica, Oracle, PostgreSQL, Maria DB
- Hadoop, hdfs, hive, hbase, spark, nifi (ability to ramp up on big data systems + apache tools swiftly)
- .Net, nodejs
- Java, Android, Groovy, C#, Python
- ANT, Liquibase
- SSIS, SSAS, MDX
- AutoCAD
- Wireshark, Packet tracer
- Matlab
- Tableau

## Languages

Arabic (first language), English (fluent) and French (Beginner)

## Publications

- Abady, L.; Bailly, J.-S.; Baghdadi, N.; Pastol, Y.; Abdallah, H., "Assessment of Quadrilateral Fitting of the Water Column Contribution in Lidar Waveforms on Bathymetry Estimates," *Geoscience and Remote Sensing Letters, IEEE* , vol.11, no.4, pp.813,817, April 2014
- A. Bouhdaoui, J.S.Bailly, N. Baghdadi, and L. Abady, "Modeling the water bottom geometry effect on the peak time shifting in LIDAR bathymetric waveforms," *Geoscience and Remote Sensing Letters, IEEE*, vol.pp, no.99, pp.1,5, January 2014