



Ghadir SERHAN SERHAN

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Professional Education

2017-2019	Masters of science in Computer and Communication Engineering at LIU
2014-2017	Bachelor of Computer and Communication network engineer at University Institute of Technology, Saïda-Lebanon
April 2017	Certificate in LabVIEW and Computer-Based Measurements sponsored by National Instruments
March 2017	Certificate in Arduino Workshop sponsored by IEEE Computer Society
August 2019	Certificate in NDG Linux Unhatched sponsored by Cisco Networking Academy
September 2019	Certificate in NDG Linux Essentials sponsored by Cisco Networking Academy

Majors

Networks:

- Computer Network
- Networks LAN
- Networks Administration
- Networks WAN
- Advanced Networks architectures
- Multimedia Networks

Programming:

- Basic Computing
- Web Development
- Programmed Circuits 1
- Method of optimization
- Computer Software Engineering
- Algorithm and Programming
- Computer architecture
- Programmed Circuits 2
- Computer Organization and Design
- Client Server Architecture

- Object Oriented Programming
- Optoelectronics Systems
- Java
- Embedded system and applications
- Relational Database
- Java Script

Telecom:

- Algebra
- Electricity
- Statistics and Probability
- Fiber Optics Communication
- Operating System
- Signal Theory
- Digital Communications
- Fixed Telephony
- Satellite Communications
- Image Processing
- Calculus
- Digital Electronic
- Analog Electronic
- Analog Telecommunications
- Cryptography and advanced computer security
- Microwave Engineering
- Digital Signal Processing
- Mobile Telephony
- Mobile Communication
- Wireless Communication

Experiences	
August 2019	Summer Java Geeks Workshop in “Java code”
2018 – 2019	Math Teacher at Ebba Official School
April 2017 to May 2017	ISC – Consultation Internship “ Database and Programming ”
June 2017 to July 2017	Solidar Switzerland Internship “ Database and Programming ”
July 2016 to September 2016	Ogero, Beirut and Saida, Lebanon Internship “ Telecom and network ”
July 2016 to September 2016	New TV, Beirut Lebanon Internship “ Telecommunication ”

Projects

- ✓ Developed a HR system (C#) for **Solidar Switzerland**. The System included a financial and filling databases.

- ✓ “System to control the temperature” in **BS Senior at IUT**. This project presents the realization of an electric fan with powerful characteristics. This ventilation circuit provides a good life for people who have difficulty running the fan manually.

- ✓ “Experimental study of spectrum sensing detectors using USRP” in **Master Thesis at LIU**. In this thesis, we have considered the concept of the CR technology, hypothesis, its key for success (i.e. SS), and we focused our work on ED and EBD technique. First part, implements the ED and SCN detectors in MATLAB, the second part considers the implementation of ED and EBD using LabVIEW and USRP 2901.

Skills

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|---------------------|------------------|---------------------------|---------------------------|
| 1. Microsoft Office | 2. Visual Studio | 3. C++ | 4. C# |
| 5. JavaScript | 6. Java | 7. PHP | 8. CSS |
| 9. Crystal Reports | 10. SQL Server | 11. PCCAD | 12. ModelSim |
| 13. Microchip PIC | 14. MATLAB | 15. MPLAB | 16. Proteus |
| 17. Proton | 18. Express PCB | 19. Keil μ Vision5 | 20. Cryptography |
| 21. Packet Tracer | 22. NetBeans | 23. NI LabVIEW | 24. LabVIEW Communication |
| 25. Linux | 26. VMware | 27. Oracle VM Virtual BOX | 28. Ubuntu |
| 29. Debian | 30. Putty | 31. Team Leadership | 32. Team Work |

Languages

- ✓ Fluent in English (written and verbal communications)
- ✓ Fluent in French (written and verbal communications)
- ✓ Fluent in Arabic (written, and verbal communications)

Reference

Reference will be furnished when required.