Fatima Fakih

Chiyah, Lebanon

+96181850264
fakih.fatima99@hotmail.com

Summary:

Scientist, Telecommunication and Electronic Engineer. Responsibilities include a concentration in software and hardware design, programming, and technical support. Motivation and quick learning were always the key especially for someone who came from engineering backgrounds.

Education:

- **2022**, **Master 2 in Electronics - Option: STIP (Signal, Telecommunication, Image and Speech),** Lebanese University, Faculty of Science, Hadath, Lebanon
- **2021**, **Master 1 in Electronics - Option: Telecommunications and Electronics,** Lebanese University, Faculty of Science, Hadath, Lebanon
- **2020, Bachelor of Science in Electronics,** Lebanese University, Faculty of Science, Hadath, Lebanon
- **2017, Lebanese Baccalaureate - Option: General Sciences,** El-Ghobeiry High School for girls, Beirut, Lebanon

Professional Experience:

Arduino Workshop (30h) at al-Baraka association, *Beirut, Lebanon; May 2019*

Part Time Private Teacher for High School and University students, *since Jan. 2018*

Projects:

Hasan Kamel Sabah HKS Laboratory - *Hadath, Lebanon; May 2022 – Nov. 2022*
- Master's thesis: Modeling an end-to-end Communications System with an autoencoder based Deep Learning to reliably transmit information bits over a Wireless Channel.

Hasan Kamel Sabah HKS Laboratory - *Hadath, Lebanon; Apr. 2021 – Sep. 2021*
- Project about Design and Implementation Intelligent Parking using VHDL and Implement it on FPGA.

Hasan Kamel Sabah HKS Laboratory - *Hadath, Lebanon; May 2020 – Sep. 2020*
- Final Year Project about Robot that can detect and avoid obstacle on its path using Arduino Uno.

Technical Skills:

- **Software:** Matlab/Simulink, LabVIEW, ltspice, Proteus, Eagle, MPLAB, ADS.
- **Hardware:** Arduino, PLC, FPGA.
- **Programming language:** C, C++, Python, assembly.
- **Microsoft Office:** PowerPoint, Word, Excel and **LaTeX**.

Languages:

- Arabic – First language
- French – speak fluently – Advanced level (French embassy certificate: DELF B2)
- English – Intermediate

Related Coursework:

Electronic Circuits, Electromagnetism, Microprocessors, Industrial Data Processing, Non Linear Systems, Analog and Digital Communication Systems, Microcontroller System and DSP, Linear Control Systems, Advanced Signal Processing, Networks, Power Electronics, Electronics Technology, Digital and Analog Electronics, Logic Design, Antennas and Free Propagation, Conception of Integrated Circuits, Embedded Systems, Telecommunication Networks, Fiber-Optic Communications Systems, Industrial Electronics, Electrical Engineering, Automation, Theory of Signal, Information Theory of Telecoms, Advanced Digital

Communication, Wireless Communication, Advanced Signal Processing and Algorithms, Image Processing and Pattern Recognition, Detection and Estimation, Numerical and Analog Controls and Systems, Fuzzy Logic, Neural Networks, Convolutional Neural Network, Machine and Deep Learning.

References: Available upon request