

Jana Wehbe

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Hamra, Beirut,

Lebanon

Objective: Seeking computer engineering position with hardware or software development applications.

EDUCATION

American University of Beirut - Beirut, Lebanon

2021 - expected 2025

Major: Electrical and Computer Engineering (ECE)

Focus Area: Computer Hardware Systems

Relevant Coursework: Software/hardware programming, digital design, microprocessor development, electronic circuit component analysis, algorithms and data structures, AI/ML

American International School of Riyadh - Riyadh, Saudi Arabia

2017-2021

International Baccalaureate (IBDP) and American Curriculum Diploma

Higher Level Courses: Mathematics, Business Management, Economics

Leadership: National Honor Society, Math Honor Society (Mu Alpha Theta)

TECHNICAL SKILLS AND TOOLS

Languages - Python, C++, Java, MATLAB, VHDL, RISC-V Assembly, PIC16F84A Assembly, HTML, Verilog

Tools - OrCAD PSpice, Xilinx Vivado, MPLab, Virtual Studio, Eclipse Java, Python Flask, Figma UI, SQL, Git

PROJECTS

Software/Hardware FPGA Reconfiguration - Reconfigurable Computing

Aug. 2023 - Dec. 2023

Examined FPGA architectures and performed high-level synthesis to apply project to ZedBoard tool through VHDL and C. Studied host, memory, and peripheral interfaces. Developed custom IP blocks and designed maze game through OLED display.

Formulating Signal Process Problems - Signals and Systems

Jan. 2023 - May 2023

Explored the software applications of Fourier analysis on various signals through MATLAB.

Calculated and observed the effect of sampling, reconstruction, aliasing, and image quantization.

Microprocessor Design and Pipelining - Computer Architecture

Jan. 2023 - May 2023

Pipelined and adjusted code for single-cycle core processor. Constructed top-level VHDL digital design for processor components. Simulated output of processor on GHDL and Linux.

EXPERIENCES

Mentor, Peer2Peer Faculty Program - Faculty of Engineering, AUB

Sep. 2023 - present

Consulted and guided students with transition into university. Advised on course registration, aided with academic support, and recommended major-specific guidance.

Site Visit Coordinator, Former Fellow of WiT Program - LebNet Organization

Jan. 2023 - present

Engaged in the first cohort of the program including 20 other females from universities in Lebanon. Organizing and facilitating tech company site visits for current cohort.

Writer, Cogs & Caffeine Magazine - Faculty of Engineering, AUB

Jan. 2022 - Dec. 2022

Documented articles on significant stories in the country. Conducted interviews for research purposes. Attended team meetings to collaborate on the publication.

Primary Research and Marketing Intern - General Trading Company, Olayan

Feb. 2020

Shadowed marketing manager and conducted primary research for school diploma project by observing business practices. Advised marketing team on potential paths for the company.

LEADERSHIP AND ACTIVITIES

- **Member**, Institute of Electrical & Electronic Engineers (IEEE)

Sep. 2021 - present

- **Volunteer**, Accessibility for a Bolder Learning Experience Summit (ABLE) 2023

Sep. 2023

- **Volunteer**, Gawad Kalinga Community Development - Cavite, Philippines

Feb. 2019

- **Program Participant**, Swiss Int. Leadership Academy - Gstaad, Switzerland

Feb. 2018

LANGUAGES

- **English** (Fluent)
- **Arabic** (Fluent)
- **French** (Intermediate)

- **TOEFL iBT**: 109/120