

SHATHA JADALLAH

BIOMEDICAL ENGINEER



Abu Dhabi



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shatha-jad (github.com)

EDUCATION

Diploma in Software Development

Abu Dhabi

42 Abu Dhabi Coding School

01/2022 – present

Achievements:

- Developed various projects including Unix, Algorithms and AI and Network and system administration using C-language.
- Member of the robotics club which designs and prints 3D models.
- Nominated as judge for the WRO held at 42AD.

Bachelor's in Biomedical Engineering

Jordan

Jordan University of Science and Technology

2016 - 2021

- CGPA: 3.30

IGCSE high school graduate

Al Ain

Al Dhafra Private School

2016

WORK EXPERIENCE

Pure Health

Research and Innovation intern

12/2022 - 06/2023

Pure Health is the largest integrated healthcare network in the United Arab Emirate

Achievements:

- Plan and execute an innovative research project.

Princess Haya Biotechnology Center

Intern

02/2021 - 03/2021

PHBC offers research, diagnostics and training in Molecular Genomics and Bio-risk Management

Achievements:

- Applying NGS PCR, HPLC and Gas chromatograph techniques in clinical tests.
- Preparing electrophoresis gel for DNA separation.

Siemens Healthineers

Intern

03/2021 - 06/2021

Achievements:

- Gained theoretical knowledge about different types of imaging devices.
- Observed how to troubleshoot and fix different imaging devices.

RESEARCH EXPERIENCE

Capstone Project

03/2021 - 06/2021

- Employed the concept of machine learning in real-time REM sleep stage classification to be implemented on a portable device for in-home neuromodulation applications.
- Work published at **ICBET 2022** conference under the supervision of **Yazan M. Dweiri, Ph.D.**

PROJECTS

2020

- Wheelchair designed for Quadriplegic patients. It uses a tilt sensor attached to the head of the patient to control the movement of the chair with safety and medical features.
- Non-contact blood pressure measurement device using Doppler Radar.

2018

- ECG device: I designed an ECG circuit, attached it to electrodes and tested it on students after applying all safety features. Results were positive.

ACTIVITIES

Active member of the IEEE for since 2017

- Secretary of IEEE branch (2020- to date).
- Vice-chair of the EMBS society (2019-2020).
- Team leader of the planning committee of the EMBS society (2018-2019)
- Member of the Robotics and Automation Society and
- Women In Engineering societies (2019- to date).

Active member of AESTA since 2019

TECHNICAL SKILLS

C / C++	SPSS	Arduino
Python	LabVIEW	AutoCAD
MATLAB	SPICE	MS Office

SOFT SKILLS

Leadership	Self-Learning
Critical Analysis	Logical Reasoning