

Zahraa Swaidan

Master Graduate in Biomedical Engineering

I'm an ambitious and passionate individual with a Bachelor in Biology and Master's degree in Biomedical Engineering Research at the American University of Beirut. With a deep fascination for the intersection of healthcare and cutting-edge technology, I'm driven to make a lasting impact in the field.



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📍 Beirut, Lebanon

🌐 [linkedin.com/in/Zahraa Swaidan](https://www.linkedin.com/in/Zahraa Swaidan)

EDUCATION

Bachelor in Biology

American University of Beirut

09/2018 - 06/2021

83.22

Masters in Biomedical Engineering Research

American University of Beirut

09/2021 - 12/2023

3.93

Courses

- Healthcare Industry and research.
- Rotation in AUBMC hospital that included radiology unit (X-Ray, MRI, CT, Ultrasound and Nuclear Imaging). Also, the medical and laboratory unit.
- Gave a lecture for biomechanics course (Image Quality and Artifacts of MRI).
- writing review articles and reports

WORK EXPERIENCE

Working with Tomorrow's Leader Program-Middle East Initiative

Tutoring MEPI students at AUB

09/2022 - 12/2022

Achievements/Tasks

- Explaining the lectures for MEPI students specifically for courses BIOL 101, 102 and 201.
- Organizing and evaluating each student case.

Graduate Research Assistant

AUB

03/2022 - 06/2020

Achievements/Tasks

- Responsible for the organization of the Tissue Engineering Lab
- Provided regular updates and reports to the manager.

Member at MSFEA Creates

MSFEA CREATES is an online educational program that aims to improve the technical communication knowledge and skills of (Engineering Faculty at AUB) students. The program houses a team of communication experts who work closely with MSFEA faculty and students to develop customized and accessible educational support that responds to the academic and professional needs of MSFEA students.

01/2023 - 05/2023

Achievements/Tasks

- Trained to give one to one feedback to students reports and articles.
- Literature Review and data collection
- Support students with online educational and training modules to help improve your written and oral communication skills
- Evaluating and assessing students' learning skills

SKILLS

MATLAB

Python

Microsoft Office

XPPAUT

ANSYS Workbench

SPSS Statistics

FIJI/ImageJ

Collaboration and Verbal Communication

Google Programs

Social Media

Microsoft Office

PERSONAL PROJECTS

Morphological and anatomical characterizations of neurobiotin-filled premotor neurons in the adult male zebra finches (01/2023 - 12/2023)

- Thesis Work done using FIJI Software which is an image processing Java Software
- Data acquisition and analysis of the morphological parameters of cortical neurons

ACTIVITIES

AUB Biomedical Engineering Club (09/2021 - 12/2023)

Participant

Conference 1: Biomedical Research Day

I participated in the 10th annual biomedical research day conference held at AUB by FM Faculty.

Conference 2 : IDEAS2023

I participated in the 10th annual biomedical research day conference held at AUB by MSFEA faculty.

CERTIFICATES

-Excellency Award from National Council for Scientific Research (CNRS Lebanon) (05/2018 - 09/2018)

Ranked 5th in Lebanon's Official Exams

-Biomedical Responsible Conduct of Research (01/2021 - 09/2021)

Offered by CITI International Program

-Digital Skills Certification (01/2022 - 06/2022)

Successfully completed Digital Skills course offered by the Female Academic Role Model Empowerment by AUB and co-funded by EU

-MSFEA Creates Badges

Guidelines for Writing-Data Visualization- Preparing Effective Presentations- Literature Review

LANGUAGES

English

Full Professional Proficiency

Arabic

Full Professional Proficiency