

Youssef Aycha

Biomedical Engineer

+961 76 73 04 89 | Beirut, Lebanon | youssefayche@hotmail.com

EDUCATION

Bachelor's Degree in Biomedical Engineering , Beirut Arab University	2019-2023
Lebanese Baccalaureate in Life Science Branch , Borj Al-Hidaya School	2017-2018

SKILLS

- MATLAB
- Arduino IDE
- Microsoft Project
- C++ language
- LabVIEW
- Maintaining Equipment
- Customer Service
- Quality Assurance
- Problem Solving
- Communication Skills
- Undertaking Relevant Research
- Project Management
- Writing Reports
- Active Listening

WORK EXPERIENCE

Promedz – *Beirut, Lebanon*

August 2023- November 2023

Biomedical Service Field Engineer Trainee

- Assisted senior engineers in installing, maintaining, and repairing medical equipment, gaining hands-on experience with various devices such as Ultrasounds, RF generator and others.
- Participated in troubleshooting and diagnosing technical issues, collaborating with the team to ensure prompt and effective solutions.
- Supported the calibration and testing of medical equipment to meet regulatory standards and ensure optimal functionality.
- Developed proficiency in documenting service activities, including maintenance tasks, repairs performed, and parts used, contributing to accurate records and streamlined workflows.

Smartec Technologies – *Beirut, Lebanon*

May 2023-August 2023

Electronic Technician

- Diagnosed and repaired electronic circuit boards malfunctions.
- Assembled transformers and integrated them into inverters, ensuring a high-quality production.
- Performed installations and maintenance services for solar energy systems.
- Operated and monitored the pick-and-place machine for Surface Mount Device (SMD).

Rafic Hariri University Hospital – *Beirut, Lebanon*

October 2021-December 2021

Biomedical Engineer Trainee

- Filed and updated daily records for old and new machines.
- Completed daily reports of incidents, safety violations and repair requirements for equipment.
- Conducted comprehensive check-ups on various laboratory machines, ensuring optimal functionality and reliability.
- Performed Preventative maintenance on weekly and monthly basis.

Projects

Strabismus Diagnosis and Rehabilitation Using EOG Signals

October 2022-May 2023

- Development of a comprehensive non-invasive system that integrates EOG signals and AI in the prediction of strabismus levels
- A diagnostic framework is established, incorporating various classification and feature extraction techniques
- Treatment approaches within the system encompass rehabilitation exercises and interactive games

CERTIFICATES

- Certificate in “Effective Problem Solving and Decision Making”, an online non-credit course authorized by University of California, Irvine and offered through Coursera.
- Certificate in “MATLAB OnRamp”, an online course that provides information about MATLAB language and offered by MathWorks.
- Certificate of participation as author in The Sixth International Conference on Advances in Biomedical Engineering (ICABME 21) 7 & 8 October 2021 Islamic University of Lebanon (IUL).
- Certificate of Participation in the “The First Engineering Scientific Day with project entitled Strabismus Diagnosis and Rehabilitation Using EOG Signals” (Faculty of Engineering, Beirut Arab University, on 3rd May, 2023).

LANGUAGES COMPETENCIES

- Arabic: native language
- English: fluent