

+966 56 328 5297
Liza.m.yousef@gmail.com

Liza Maher Yousef

EDUCATION

(ongoing)

Effat University School of Engineering

Jeddah, Saudi Arabia

Bachelor of Electrical and Computer Engineering (ECE)

2022-2023

King Abdulaziz University

Jeddah, Saudi Arabia

Foundation Year

2022

Dar Jana International School

Jeddah, Saudi Arabia

Advanced Studies Diploma

2019-2020

John Champ HighSchool

Washington DC, United States

COURSES & WORKSHOPS

Digital Tools and Well-Being

Arizona State University

October 22, 2023

Personal Productivity, Time Management and Prioritization

Starweaver

October 15, 2023

Digital Safety and Security

Arizona State University

March 14, 2024

Academic information seeking

University of Copenhagen

March 13, 2024

Successful Presentations

University of Colorado Boulder

October 7, 2024

Digital Communication and Emotion

Arizona State University

April 9, 2024

The Sustainable Development Goals - A global, transdisciplinary vision for the future

University of Copenhagen

April 4, 2025

The Great Sustainability Transition: Global challenges, Local actions

University Leiden

April 4, 2025

CONFERENCES

Engineering Day

Held by King Abdulaziz University at King Faisal Conference Center in Jeddah, Saudi Arabia

February 18-21, 2024

The 6th Undergraduate Research Form “Sustainable Solutions For Global Challenges”

Held by Effat University in Jeddah, Saudi Arabia

October 30th, 2024

Selected Participant, UN Youth4Disarmament Forum 2025 (UN Headquarters, New York City)

Engaged in global discussions on nuclear weapons, AI, and cybersecurity; contributed policy recommendations and participated in the MyDisarmamentStory campaign.

October 16–17, 2025

RESEARCHES

• *Co-author in a Research Study titled: Classifying Heart Abnormalities Using ECG Signals and Machine Learning: A Signal Processing and Deep Learning Approach*

Worked on ECG signal filtering, parameter extraction, synthetic signal generation, and training a CNN-LSTM hybrid model for classifying PVC, AFib, and VTach using MATLAB and Python.

Ongoing Research

- Co author in a Systematic Review titled: Most Effective Techniques and Protocols for Securing Wireless Sensor Networks in Industrial Automation
- Co author in a Qualitative Study titled: Key Challenges and Opportunities in Designing Energy Efficient Neuromorphic Hardware for Real Time Pattern Recognition
- Co author in a Cross Sectional Study titled: Evaluation of Wearable Electronic Devices and Sensors for Long Term Health Monitoring

ACADEMIC AWARDS

Excellent Academic Performance

Foundation Year at King Abdulaziz University
2022 - 2023

Certificate of Excellence

Winning third place in the 8th IET GCC Robotics Challenge
2024

INTERNSHIPS

Engineering Intern, Saudia Technic (Jeddah, Saudi Arabia – June to August 2025) – Trained in the Facilities and Ground Support Equipment (GSE) departments; gained hands-on experience in maintenance operations, asset tracking, preventive maintenance scheduling, and technical presentations on tooling, CNC, and MRO systems.

MEMBERSHIPS

- Team Member of The Professional Activities in the IEEE West Saudi Arabia Section
- Vice Chair of the IEEE Effat University Club
- Saudi Council of Engineers
- Saudi Red Crescent Society

VOLUNTEERING ACTIVITIES

Mawakeb Alajer Endowment

November 11, 2023

Al Ramz lastic Factory

October 13-20, 2023

EXTRACURRICULAR ACTIVITIES

Case Reports in Dermatology

Held by Umm AlQura University in Makkah, Saudi Arabia

March 31, 2023

LANGUAGES AND SKILLS

- Fluent in English and Arabic
- Constant Self Improvement
- Good Communication and Listening Skills
- Learns fast and with ease
- Problem solving
- Time management and organized priorities
- Cooperative in Group Working
- Microsoft and google platforms skills

INTERESTS

- Photography
- Videography
- Blogging
- Traveling

CERTIFICATES

