

Aml Abo-tarefa

TELECOMMUNICATION ENGINEER

Contact

Mobile: +218910054183

Email: Aml.fathi2011@gmail.com

Address: Abu Salim, near Al Hawadith Hospital.

LinkedIn: Aml Fathi

DOB: 2000/11/4

Libyan (LY)

Professional Summary

I am a fresh graduate in Electrical and Electronic Engineering, with a strong passion for tele communications field. I have gained valuable experience through academic and extracurricular activities, developing both technical and teamwork skills. I am eager to contribute to innovative projects and continue advancing my expertise in this dynamic industry.

Academic History

Tripoli University | 2019-2024

- **B.Sc.** in Electronic and Communication Engineering. Graduated in 9 Semesters with GPA of 75%.
- **Graduation Project** "Implementation of Microwave Technology for Enhancing Cancer Detection"
This project uses HFSS to design microstrip patch antennas for breast and brain cancer detection. It aims to enhance diagnostic accuracy by leveraging microwave imaging's non-invasive, tissue-differentiating capabilities
- **Mini-Project** This project involves designing a voltage-controlled phase-shift oscillator (VCO) using a JFET to modulate the frequency between 1 kHz and 5 kHz. It explores the effect of gate voltage on the oscillation frequency through an RC network.

Activities

IEEE | 2022-2024

- Member in IEEE , the world's largest organization advancing global
- Podcast Committee Chair: Led the IEEE podcast team from 2023 to 2024, overseeing content development and coordination.
- Event Organization: Played a key role in organizing major events such as the MISTA Maghrebi Conference in 2024.
- Exhibition Participation: Represented IEEE at various exhibitions, including the Technology Exhibition in 2023, promoting IEEE's mission and engaging with the tech community.

Robot Club, Tripoli University | 2022-2024

- Member in Robot Club at Tripoli University is a student-driven initiative focused on robotics and automation
- Designed multiple projects using Arduino.
- Conducted workshops on Arduino programming and application.
- Represented the club at the 2023 Technology Exhibition, showcasing innovative robotic projects

Undergraduate Course

- Signals and Systems
- Analog and Digital Electronic Circuits
- Control Systems
- Electromagnetics
- Communication Engineering
- Semiconductor Electronics
- Active Networks
- Semiconductor Devices
- Microwave and Antenna Devices
- Data Communication and Networking
- Wire Line Communication Systems
- Wireless Communication Systems
- Data Acquisition and conversion

Work Experience

Teacher & Administrative Assistant-Triangle Center | 2021

- Delivered Arabic language instruction, tailoring lesson plans to enhance comprehension and engagement.
- handled various administrative tasks, contributing to the center's daily operations and coordination.

Data Entry Clerk – Medicate Health Insurance | 2022

- Worked temporarily at Medicate Health Insurance, focusing on entering data into the system and verifying its accuracy.

Skills

- | | |
|-------------------|---|
| • Communication | • Programming (C++) |
| • Teamwork | • Matlab and Simulink |
| • Time Management | • ANSYS HFSS for electromagnetic simulations. |
| • Problem-Solving | • MS office |
| | • Network basics |



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إلى من يهمه الأمر

بعد التحية ،،،

يفيـــــد قسم الهندسة الكهربائية والإلكترونية بأن الطالبة أمل فتحي أبوطريفة رقم
قيدها 2180206471 قد أنهت كافة المتطلبات الدراسية لنيل درجة البكالوريوس في مجال
الهندسة الكهربائية والإلكترونية مع نهاية الفصل الماضي ربيع 2024 ، كما أن كشف درجاتها
وإفادة تخرجها تحت الاجراء .

أعطيت لها هذه الافادة بناءً على طلبها لاستخدامها بالأغراض القانونية وما لا يتعارض مع
اللوائح المعمول بها بالدولة الليبية .

رئيس قسم
هندسة كهربائية
د. علي محمد البلخي

رئيس قسم الهندسة الكهربائية والإلكترونية

صورة الى :-

- الملف الدوري العام

ك/ علي / م. حمادي