

# Mohammad Albatarani

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## OBJECTIVE

Graduate with a degree in Electrical Engineering. Seeking to use my experience and engineering skills as an Electrical Engineer at your cooperation. I am currently available for a full-time position, I can work with a flexible schedule, and I'm willing to relocate for work.

## SKILLS

### Core Qualifications

PCB Design, C++, C#, Python, PLC design, Oscilloscope, Embedded Systems, Power Distribution

### Software Tools

Altium, MATLAB, Simulink, Word, Power-World Simulator, Excel, Adobe Illustrator

### Communication & Interpersonal

Problem Solver, Project Management, Eager to Teach and Learn, Collaborative Worker

## EDUCATIONAL

**Qatar University** | *Bachelors of Science in Electrical Engineering* | **08.2019- 06.2024**

- Major in Electrical Engineering
- Board of IEEE Club
- Best Student Employee Award
- Student Distinction Award
- Cumulative **GPA**: 3.61/4.00

## EXPERIENCE

**Pan Drives Internship** | *Intern*

Bangkok, Thailand | **12.06.2023- 17.08.2023**

- Designed a PCB for a gate drive power module using Altium Designer.
- Created a Schematic and PCB library, and calculated trace width and clearances, engineering the design to fit on a water-cooling station.
- Concocted a PLC ladder diagram design for an Induction Machine through CX programmer.
- Modified previous project design and adjusted it according to company needs.

**Scorpion Electric** | *Research Assistant*

Doha, Qatar | **06.09.2023- 08.04.2024**

- Engineered a custom sensor array to monitor the emission of multiple gases during composting.
- Assisted in integrating the PCB board and power supply in a 3D printed case for efficient deployment and experimentation.
- Conducted five composting tests while analysing data using an IOT solution made on Thingspeak.

**Qatar University** | *Math Peer Tutor*

Doha, Qatar | **09.09.2021 14.05.2024**

- Handled multiple subjects and courses at a time.
- Hosted online sessions answering student questions and explaining misunderstood material.
- Adapted to individual student needs through one-on-one sessions with special needs students, or those at risk of failure.
- Carried out exam and quiz revisions with multiple sessions during revision week.

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## Projects

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### **Grid Connected PV System with Battery Storage**

Created a Buck-Boost Converter with CC-CV Li-Ion battery control system and designed the overall energy management system.

### **FM Transmitter Design**

Engineered a FM transmitter through the design of a DC shifter, a comparator circuit, and various signal filtering systems.

### **Automatic Air Conditioner Controller**

Designed a user interface that uses an LCD screen for a system utilizing temperature readings and input settings to control a cooling fan.

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## Volunteer Work

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### **TriClub-Doha**

Contributed to the race preparation and safety measures for participants and provided beverages as well as encouragement.

### **Al Sailiya Summer Camp**

Ensured children's comfort and maintained a clean and safe environment during various activities.

### **TalkLife Buddy**

Fostered a secure and confidential environment and provided counselling to support users in managing hardships.