

Address : Elbetash - Alexandria - Egypt



01286621760 - 01554702283



Moh.Proff@gmail.com

MOHAMED ABULRAOUF



Objective

A Hard-working quick learner Engineer seeking a job opportunity in a company where I can ignite my enthusiasm and quench my thirst for learning, developing and inventing.

Skills

- Research and Development
- Embedded C
- PCB Design and Simulation
- Network Administration
- Programming in C# (Winforms)
- Xamarin Forms (C#, XAML)
- Python & Linux
- WordPress
- Photoshop (Edit & Design)
- SOLIDWORKS (3D Design)
- MS Office

Languages

- English
- Arabic

Reference

Prof. Maha Elsabrouty | EJUST

E. maha.elsabrouty@ejust.edu.eg

Dr. Ahmed Allam | EJUST

E. ahmed.allam@ejust.edu.eg

Eng. Ehab Shenouda | New Pc-Planet

E. Ehab.shenouda@gmail.com

Education

2013/ 2018

Bachelor of Engineering in Communication and Electronics

Faculty of Engineering Alexandria University

Accumulative Grade – Good

Accomplishments

November - 2019

Research Paper Publication

BLE Indoor Localization based on Improved RSSI and Trilateration

Published in: 2019 7th International (JAC-ECC)

Added to IEEE Xplore: 02 April 2020

April - 2019

Patent (In Progress)

Smart Dispenser with AI Inspector

Experience

07.2018 - 08.2018

R&D Engineer

Company | Egypt-Japan University of Science and Technology (E-JUST)

Under Water Communication & Monitoring System for Fish Farming

- Complete and optimize an existing version of an IoT Prototype.
- Interface high quality Atlas Scientific Sensors with the Raspberry Pi
- Worked with ThingSpeak API, Camera stream, Port Forwarding (Python, HTML)
- Diagnose and fix issues in an underwater communication Prototype.

09.2018

R&D Engineer

Company | EJUST & New PC-Planet - Sidi Gabir, Alexandria

IoT based- Infection Protection System

- Search and develop high optimized, low cost Real-time Locating system.
- Worked on Rasberry Pi (python), ESP32 (ESP-IDF – Platform Io).
- Implement 2 different embedded system programs for ESP32 (C++, Embedded C).
- Design and Implement a reliable Trilateration algorithm and Arithmetic filters in C#.
- Implement C# Winforms Program as prototype for the system.
- Design many Printed circuit boards (PCBs).
- Interface sensors with ESP32.
- Design and implement Sensor Fusion algorithm in C#.
- Test and diagnose the System.

08.2020

R&D Engineer

Company | EJUST & New PC-Planet - Sidi Gabir, Alexandria

Smart Dispenser with AI Inspector

- Implement a real-time and live Camera Feed AI Program to inspect the right Hand sanitation procedures