

# MOHAMED BAHAA

## EGYPTIAN

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## EDUCATION

### Eastern Mediterranean University

B.S Computer Engineering 2018

CGPA:3.52

North Cyprus

### International General Certificate of Secondary Education - IGCSE

Riyadh

## PROJECTS

### FingerPrint Students Attendance System

Feb 2017 - Jan 2018

#### Python

Created a system that uses a raspberry pi device connected to a fingerprint sensor to take students attendance in the start of every lecture or when intended to and then sends the attendance information back to the server to be stored in a database.

- Created using htmlPy and PySide.
- UI created in html, css, and javascript.
- Cross platform desktop application.

### Water Level Alert Embedded System

Dec 2017 - Jan 2018

#### C

Created an embedded system that has two micro-controllers, one that receives data from HC-SR04 sensor simulator then sends it to another one that acts as the main unit. The main unit micro-controller receives data in ASCII format, displays it on an LCD screen, compares it to analog data received from a potentiometer and then compares it to the ASCII data after changing it to integer format to either switch off or switch on the water alert led.

### Basic PM

Feb 2017 - May 2017

#### C#.net

A project management software that resembles Microsoft project with simple user interface and basic functionalities. These functionalities include organization chart generator and activity network diagram generator.

## SKILLS

**PROGRAMMING LANGUAGES:** C++, C, Python

**FAMILIAR LANGUAGES & FRAMEWORKS:** SQL, C#.net, Haskell, JavaScript, HTML, CSS, Flask, Flask-RESTful, React, Front-end Design, Git, htmlPy

**OTHERS:** SketchUp, Competitive Programing, Photoshop

**LANGUAGES:** Arabic, English IELTS 7.5

## AWARDS

### Certificate of Excellence, Eastern Mediterranean University

Jan 2018

Awarded in recognition of an outstanding Graduation project.

## EMPLOYMENT

### Vodafone International Services (Vodafone UK), Technical Support Advisor, Cairo, Egypt.

Jul 2014 - Sep 2014

- Troubleshooted issues with customers related to network connectivity .
- Guided customers through registration steps.
- Helped customers with issues related to their mobile phones.
- Marketed the company's products to the customers.

## ACTIVITIES

### IRC Egypt Competition, Mechanical Mechanisms Designer

Oct 2014 - Dec 2014

- Designed the mechanisms of two robots.
- Animated the mechanisms in Google SketckUp to see if they are suitable before implementation .
- Helped in implementing the designs with the implementation team.