HASSAN HAMMOUD

COMPUTER AND COMMUNICATION ENGINEER

GENERAL INFO

I am a Computer and Communication Engineer who's interested in technology and working to be engaged in its projects. I also love to give a high effort for a better result, plus I act well as a group leader because of my interest in following up the details of the work in order to achieve what is brilliant.

EDUCATION

Lebanese International University

Masters of Sciences in Computer and Communication Engineering | 16 Jan 2019

Lebanese International University

Bachelor of Sciences in Telecommunications Engineering | 31 May 2017

CONTACT INFO

Address: Lebanon, Beirut
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PERSONAL & TECHNICAL SKILLS

Strategic Thinking
Fast Learner
Multi-Tasking
Project Management
Assembly & MIPS Assembly
VHDL
HTML / CSS / JavaScript
Linux / Java / Python / .NET
NS2
Network (Cisco Packet Tracer)
AutoCad / Proteus / Android
Microsoft Office (Word , Excel , PowerPoint)

WORK HISTORY

PackTech Team

Freelancer | 9 Jun 2018 - present

- Managing social media and development teams.
- Developing websites.
- Managing VPS server.

Integrated Digital Systems (IDS)

IoT Trainee | 24 Aug 2019 - 10 Nov 2019

- Researching about XBEE module and its functionality.
- Reporting an overview about XBEE S2C.
- Configure XBEEs modules as a Coordinator, Router & Endpoint.
- Developing & testing communication between XBEEs modules.

Integrated Digital Systems (IDS)

Php & Java Trainee | 24 Jun 2019 - 25 July 2019

- Developing a mobile application for android.
- Debugging php code.

Media Galaxy Co.

Developer | 2 Nov 2017 - 5 May 2018

- Website & Mobile developer.
- IT.
- Managing ads on social media.

Creative apps

Sales Leader | 1 Feb2016 - 10 Mar 2017

- Sales team trainer

AKORN Telecommunications

Engineering Trainee | 26 Jul 2016 - 27 Aug 2016

- Building links on tower (2G / 3G / 4G - LTE).
- Checking sites tools.
- Troubleshooting.
- Managing warehouse.

Little Plato Magazine

Sales Representative | 13 Jan 2015 - 2 Oct 2016

- Sales team trainer

Lycee Lebanese & GSC Center

Teacher | 13 Nov 2012 - 2 Jul 2014

- Teaching Math , Physics and English.

CERTIFICATIONS

Introduction to CanSAT
Lebanese International University | Sep 2018

CCNA1 & CCNA2
Baladiyyat Haret Hreik | Aug 2018

Neuro-linguistic Language(NLP) Diploma
Treacle Academy UK | Jul 2018

Ethical Hacking
The Scientific Association of IT Experts | Aug 2017

PROJECTS

Building Structure Monitor
This Project mainly is a device that facilitate our life and helps in detection the status of the building pillars. It is designed by a humidity moisture sensor, strain gauge sensor ,ESP8266 12E module and raspberry pi. This sensors measure values from the pillar and send it by ESP8266 12E as a HTTP request to a raspberry pi that these measurements will be saved in the database (temperature, humidity, moisture and date), and when the data exceeds the normal average , a message will be sent to the competent authorities, in addition to live monitoring to the values measured on a web page.

CanSAT
CanSAT is a mini model of satellite. Its role to save time and money since when satellite is damaged or any other problem exist , it would be lost and many decisions should be taken, but CanSAT differs since if any error occurs then it would fall down and at a several height it opens a parachute to prevent braking its box. It is a board that contains some sensors and ARDUINO NANO that reads data and send it to the monitor.

LiFi/WiFi Hybrid System
This hybrid system works on two methods where WiFi as an up link and LiFi as a down link. WiFi is an internet from the modem while LiFi is an internet from light. This system is integrated on two boards. First board represents TX while the second represent RX . TX includes a light source that sends the data and RX includes the detector to receive this data (for down link). For the up link method which uses WiFi , an integration of two ESP8266 12E boards took place for WiFi communication whic represents the up link situation.

IoT Agriculture Project
This project talks about how to implement a board contains ESP8266 12E, DHT11 sensor & moisture sensor in order to read values from the plant. This values in addition to the location is sent and stored in the server database. These values is shown on a web dashboard and a mobile app . A prediction software also get these data and start predicting the N days , where N is the number of entries.