Mouafac GHATTAS
Software Engineering Undergraduate

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EDUCATION

Diploma in Computer and Communication Engineering
Saint Joseph University
2017 - 2022 (expected)

General Science Degree with Highest Honors
Saint Joseph de l'Apparition Saida
2006 - 2017

WORK EXPERIENCE

Web Developer
TripNTap
02/2021 - 04/2021
Achievements/Tasks
- Design, develop, troubleshoot, debug, test and implement website code by using Microsoft .NET, C#, and ASP.NET MVC
- Use and mandate best practices in software development, including MVC pattern, Dependency Injection, Automapping and RESTful Web Services

Contact: Mr. Kevin Hani - CEO TripNTap

Smart Bins with LoRaWAN
IoT course project
11/2020 - 01/2021
Achievements/Tasks
- Build an electrical circuit connecting an ultrasonic sensor and a Dragino LoRa shield with an Arduino Uno
- Transmit data via the LoRa modulation to gateway and retrieve data from MQTT server to store it in a MongoDB database

Contact: Dr.Samer Lahoud & Dr.Melhem Helou -
Associate Professors at the Faculty of Engineering ESIB at Saint Joseph University of Beirut

Sensor Data Management with Python Internship
CIMTI ESIB USJ
06/2018 - 07/2018
Achievements/Tasks
- Build an electrical circuit connecting a DHT 11 humidity and temperature sensor to a Raspberry Pi
- Publish data to a MQTT server and access information remotely
- Draw instant graphs and make regular data analysis

Contact: Dr. Georges Saker -
Assistant professor at the Faculty of Engineering ESIB at Saint Joseph University of Beirut

SKILLS

C++ | Python | Java | MySQL
Object Oriented Programming | MEAN stack | React
Project Management

PERSONAL PROJECTS

2nd place in the Project Management Institute (PMI) - Youth Virtual Competition 2020 (05/2020 - 05/2020)
- Model a complete project in a hackathon of 4 hours
- Elaborate the scope, WBS, quality and human resources management
- Create a detailed study of cost, communication and risk management

E-commerce website using Angular (12/2019 - 06/2020)
- Design and implement a website that promotes local and traditional Lebanese food
- Develop the UI/UX of the website using HTML,CSS, Bootstrap and Angular
- Develop the backend architecture using Express and MongoDB

Design Thinking and Innovation Project with Neuronanomed Zentrum (11/2019 - 04/2020)
- Design a medical watch with heart monitor and fall detectors that connects the elder to his relatives
- Ideate an entertainment app special for elders

IGreen Beirut & IGreen Africa and Middle East (AME) with Junior Chamber International (JCI) Lebanon ((12/2019 - 12/2020)
- Encourage people to upcycle and plant from the comfort of their home
- Participate in the reforestation of greenery in Lebanon
- Spread environmental awareness involving the public in planting on a bigger scale in Africa and Middle East

Waste Management and Upcycling Internship at Cedar Environmental (06/2020 - 08/2020)
- Build green walls, planters and recycling bins
- Upcycle plastic waste into usable tables

INTERESTS

Professional futsal player at USJ Club 1875

Lebanese youth futsal national team player 2019 AFC Futsal Championship (Iran) and Qualifications (UAE)

Junior Chamber International Lebanon treasurer

Gardening Enthousiast