Mohamad Mehdi Choaib

Byblos, Lebanon
Mohamadmehdi.choaib@lau.edu
0096171356427

Education

Lebanese American University, Byblos, Lebanon   *CGPA: 3.69/4.00*

Bachelor of Engineering in Electrical Engineering, Aug 2019 – May 2023   Merit Scholarship

United World College, Ostbevern, Germany

Building a Sustainable Future Short Course (BASF), July - Aug 2019

Professional Experience

White Stork, Jinah - Beirut - Lebanon   April2021- September 2021

Junior Developer, web backend developer

• Developed libraries to facilitate backend functionalities for websites

• Designed, deployed, and monitored cloud architecture for web applications on AWS

Intern, networks engineer   January 2021- March 2021

• Used Modbus communication and cloud computing (AWS) to send, receive, and analyze data

Lebanese American University - Model Arab League (MAL), Lebanon   October 2019

Public Relations coordinator   - March 2020

• Contacted honor guests, ambassadors and sponsors for MAL's training sessions and final conferences

Skills

Intermediate level in **MATLAB and Simulink**

Competent in **Node.JS**, **Java script and Typescript**

Fluent in **Java**

Entry-level experience in **ROS, C++, Python, ladder logic,** and **FBD for Siemens PLC**

Mid-Level experience in **Tia Portal and Siemens PLC** for industrial automation

Experienced in **git** and **Ubuntu** terminal

Advanced beginner in **AWS cloud architecture**, **AWS system operation management**, **DynamoDB**, **Lambdas**, and **API Gateways**

Great public speaking, presentation, negotiation, communication, and public relation skills acquired in the model united nation program during my sophomore year at LAU

Awards and Certificates

Industrial Automation with Siemens **PLC S7 1200 and LOGO**	2022
Top 5% IEEE Xtreme	2021
AWS Cloud Practitioner	2021
LAU 4th Case Competition finalist	2021
YLP-6 National Finalists Lebanon	2020
L'Oreal Brandstorm National Finalists Lebanon	2020
Lebanese National **FTC** Mechanical Design Award	2019
International **FTC** Judges Award 2018 Houston – Texas	2018
3rd place award International **PAYA** Math and Physics league	2018
Lebanese National **FTC** Inspire Award	2018
Best Delegate Award **LAUMAL**	2018
Position Paper Award **GCLAUMUN**	2017

Mohamad Mehdi Choaib

Byblos, Lebanon
Mohamadmehdi.choaib@lau.edu
0096171356427

Academic Projects

Encryption of Text in Images: **Java and Java FX**

Desktop application that encrypts text into images, and decrypts text from images. Application accommodates for multiple users, and an admin.

Currency Converter: **Logic Gates and Quartus**

Designed and assembled in a group of three a currency converter that converts dollars to Lebanese Liras and vice versa The converter was simulated on Quartus and assembled on a testing bread board.

Energy Cost Optimization: **GAMS**

Designed an optimization problem that finds the lowest possible cost of fuel in a unit that generates using a diesel generator, and a PV cell, it also uses a battery for energy storage.

Electronics' Circuit Simulator: **MATLAB**

Developed with my team a simulator that used iterative and direct methods to solve non-linear and linear circuits. The simulator can analyze the transient response or the steady state with an optimized CPU cost.

Localization and Globalization Library: **Node Js. Type Script**

Developed a localization and globalization library that changes language, format, date and time, orientation of the website, currencies, number format, and colors according to the region and country the user is visiting from.

Printer's Control System   **MATLAB and Simulink**

Designed a control system for a printer with a small tendency of error and a very low settling time. The design was disturbance tolerant and effective to be used at a big bandwidth of frequencies.