JOELLE DAOU

Computer and Communication Engineering Student

Proactive and self-motivated, I am a fourth-year student majoring in Computer Engineering. Always willing to go the extra mile to improve production and creativity, I am currently looking for opportunities for advancement in my field.

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EDUCATION

Computer and Communication Engineering
St. Joseph University- ESIB, Beirut

2018 - Present
Expected graduation date: 06/2023

Lebanese and French Baccalaureate
Collège Notre Dame de Nazareth, Beirut

2006 - 2018

Lebanese Baccalaureate: Sciences Générales
French Baccalaureate: Série S (Spé Maths) with Italian for LV3

Early Childhood Education
Collège Élysée

2003 - 2006

UNIVERSITY PROJECTS

Fuzzy Logic Hybrid Solar Inverter Controller for Photovoltaic Applications (01/2022 - Present)
- This project seeks to optimize the electricity bill considering, in addition to energy prices, the production, battery storage and consumption forecast based on historical data and artificial intelligence algorithms.

Full Stack Web Development (MERN) (10/2021 - 01/2022)
- This project was the outcome of the elective course "Web Development". Its purpose was to design a website for a pet store.

Innovation and Design Thinking (01/2021 - 04/2021)
- The aim of this project was to design a Management Information System for the distribution of Covid-19 vaccines in Lebanon (in collaboration with Santa Clara University in California, and Sword Group in Lebanon).

Precise Frequency Meter (03/2021 - 04/2021)
- The following points had to be demonstrated by Proteus simulation: Frequency measurement for any square wave; Digital conversion of the measurement by an 8-bit ADC; Measurement display on two 7- segment displays.

Python Project (04/2020 - 05/2020)
- This application is about travel and tourism. It includes Object Oriented Programming, APIs, CLI, GUI, Unit Tests, file readers, password encryption, sending emails and plotting.

Python/ C++ Elections Project (GUI) (12/2019)
- Another Python application, that allows the user to choose a representative amongst the candidates selected by the admin. This same project was repeated a year later, using C++.

SKILLS

Tools: Anaconda, Eclipse, IntelliJ, JUnit Testing, Visual Studio & Visual Studio Code, Postman, GitHub, Heroku, MATLAB, MongoDB, React, WampServer, Oracle VM.

Programming languages: Python, Java, Scala (with functional programming), C++, JavaScript, HTML, CSS and SQL.

Machine Learning: currently learning Sci-kit learn, Keras and Tensorflow (with Natural Language Processing).

WORK EXPERIENCE

Freelance Tutor (2019 - Present)
Private lessons in mathematics, physics and chemistry (primary, middle and secondary school).

CERTIFICATES AND AWARDS

Certificate Name

Cisco® CCNAv7: Introduction to Networks (02/2021)
The certificate was administered by Laura Quintana (VP & General Manager, Cisco Networking Academy). The course was passed with merit.

Certification Letter from the Lebanese American University (10/2017)
Written by Michel F. Najjar, Executive Director of Student Recruitment. The letter offered a prepaid application, as an award for academic excellence in High School.

LANGUAGES

Arabic
Native or Bilingual Proficiency

French
Native or Bilingual Proficiency

English
Native or Bilingual Proficiency

Italian
Limited Working Proficiency

INTERESTS

Fields of interest: Software Development, Machine Learning, and Big Data.

Member of IEEE, Google Developer Student Clubs, and Astronomy Club (USJ Student Branch).

Passionate about astronomy, music, books and sports.