Omar Jabri

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Objective

Enthusiastic Computer Scientist, always striving for more. Aiming on developing my skills in the fields of Data Science/Machine Learning by taking relevant courses and exploring my abilities by training my models on general datasets like UCI Machine Learning repositories and Kaggle. Exploring projects related to these fields always helps me with my own projects, and always helps me get ready for any future career and its workplace. I have taken the advantage of learning four languages, English, Italian, French and Arabic and perfected them to be able to grow my network and connect in an international way.

Education

BACHELOR'S DEGREE IN ARTS AND SCIENCES| SEPTEMBER/2016 - JULY/2019 | LEBANESE AMERICAN UNIVERSITY

·   Major: Computer Science with a CGPA of 3.24, 1 time in the distinction list of the Dean of Students, and 2 times in the honors list.

CERTIFICATES

·   Certificate of Honorable Mention in LAU programming contest (LAUPC) | 2017
·   Certificate of participation in LAU programming languages competition | 2018
·   Participant in Google Hash Code | 2018
·   Certificate of participation and honorable acceptance in the LAU Case Competition | 2018
·   Certificate of completion of online course: The Complete Cyber Security course: Network Security taught by Mr. Nathan House (Udemy) | 2017
·   Certificate of completion of online course: The complete certification course for ethical hacking taught by Mr. Mohamed Atef (Udemy) | 2017
·   Certificate of completion of online course: Hands on Data Science and Machine Learning with Python and R taught by Data Scientist Kirill Elemenko (Udemy) | 2018
·   Audit of Machine Learning course by Dr. Andrew Ng (Coursera) | 2018
·   Audit of Deep Learning course taught by Dr. Andrew Ng (Coursera) | 2018

Work Experience

REASEARCH ASSITANT | LEBANESE AMERICAN UNIVERSITY | DECEMBER/2018 – AUGUST/2018

·   The objective is to design a two-sided trust model between fog nodes and things in IoT. The first phase is to build trust from fog nodes towards things to make sure that the data provided by the things is accurate and legitimate. The second phase is to build trust from things toward fog nodes to ensure that the fog nodes have not been impersonated. Third phase is to utilize sophisticated machine learning models such as classification and clustering to analyze the data flow across fog nodes and edge devices.

ENGINEERING INTERN | ANGHAMI | MAY/2018 – AUGUST/2018

· Developed integrations between Anghami and other applications such as IFTTT (If This Then That), FitBit and a Chrome Extension. A Facebook Workplace Reminder Bot that reminds employees about whatever they need, whenever they need it. It uses NLP for date formatting and language understanding using PHP as a programing language. Finally worked on a research towards finding similarities between an mp3 audio file and an mp3 file converted to a MIDI file and then predicting which song is being played on the instrument. The whole thing computed on a Raspberry Pi using Python as a programing language.

TRAINEE | FPNETWORTH | DECEMBER/2017 – JANUARY/2018

· Worked on developing web applications to train my skills in frontend technologies such as HTML5, CSS3, JavaScript and Angular5.

SOFTWARE DEVELOPER | DAR EL FIKR | JUNE /2014 – SEPTEMBER/2016

· Worked as a part timer on an application called EmployeePay using JAVA programing language. This app focuses on employee supervision, income and outcome calculations and database manipulation.

Skills & Abilities

DATA SCIENCE/MACHINE LEARNING

· Developed ML models to work on industrial problems using regression, classification and clustering. Problems such as Employee Salary prediction, prediction of purchases of products based on Social Network Ads and worked on problems on Kaggle and UCI Machine Learning Repository using Python programing language and libraries such as scikit-learn.

DEEP LEARNING

· Developed ANNS and CNNS for cat recognition and attractiveness recognition problems and striving for more complex problems such as face recognition using TensorFlow.

IMAGE PROCESSING

· Developed functions for edge detection, equalization and filtering images using MATLAB programing language.

MOBILE DEVELOPMENT

· Developed several applications using Android Studio based on JAVA programing language and storing all data on Firebase interactive database. Latest project is a dating application for Universities called Match and Date.

ETHICAL HACKING/CYBER SECURITY

· Practiced my ethical hacking skills by trying to crack Operating Systems on Virtual Machines using several hacking methods, like Buffer Overflow, Format String, SQL Injections, using Trojans and Viruses in the built-in tool Metasploit. Scanning networks with NMAP and finding vulnerabilities with OpenVAS. Secured applications with Cryptography algorithms such as Affine and Hill Ciphers.

WEB DEVELOPMENT
· Developed several web applications, latest one is a platform where investors can buy lands, landowners can advertise their lands and farmers can look for work called PlantIt. It was developed using PHP, JavaScript, HTML5 and CSS3 while storing all data on a server using PhpMyAdmin. Also worked on personal projects using Angular5 and .NET MVC.

NETWORKING
· Covered all 4 layers (Application, Transport, Network, Link, Physical) and related important information. Developed a server/client architecture application using Python programing language.

GAME PROGRAMING
· Developed a shooter game using C# and Unity Engine.

COMPUTER ORGANIZATION
· Covered all topics related to the structure of a computer from memory to the CPU, developed an application that inputs bits of instructions and outputs the necessary function while imitating the tasks of the CPU broken down to Instruction Fetch, Instruction Decode Register Fetch, Execute Address Calculation, Memory Access, Write Back etc.

OPERATING SYSTEM
· Covered all topics and information related to an OS, from scheduling processes to multi-threaded operations. Developed a server/client architecture between two sockets using C programing language while treating each process as multiple threads.

Volunteering Experience

VOLUNTEER | ORDER OF MALTA | DECEMBER/2018 – JULY/2019
· Worked as a social service volunteer to aid the mentally disabled.

VOLUNTEER | MODEL UNITED NATIONS | AUGUST/2017 – FEBRUARY/2018
· As a logistics team, we were the backbone of MUN, organizing all the conferences and training sessions, making students have a better tomorrow.

VOLUNTEER | BEIRUT AI| NOVEMBER/2018 – PRESENT
· Worked as volunteer for every event that Beirut AI organized.

VP | INVENTION CLUB| DECEMBER/2017 – SEPTEMBER/2018
· Worked as the right hand of the president in organizing most events.

TREASURER | COMPUTER SCIENCE CLUB| SEPTEMBER/2018 – MAY/2018
· Took care of all the monetary operations for every event that the president organized.