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|-----------------------------|---|--|---|---|---|
| MHD Shaker Saad             |   |  | Computer and Communication Masters Student                    |   |   |
| Syrian<br>Beirut, Farabi St |   |  |   | mms117@mail.aub.edu<br>Mobile# 76738617 |   |
| Objectives                  | <ul style="list-style-type: none"><li>Seeking an internship/short full-time job in the summer of 2018 to have the opportunity of learning about the company, meet fellow engineers and apply my knowledge in the industry.</li></ul>  |  |   |   |   |
| Education                   |   |  |   |   |   |
| Undergraduate School        | American University of Beirut, Lebanon Class of 2018  |  |   | 2014 - 2018                             |   |
|                             | <ul style="list-style-type: none"><li>Computer and communication Engineering with emphasis on Artificial intelligence</li></ul>   |  |   |   |   |
| Graduate School             | American University of Beirut   |  |   | 2018 - Present                          |   |
|                             | <ul style="list-style-type: none"><li>Masters with <b>Thesis</b> Computer and commination engineering</li></ul>   |  |   |   |   |
| Courses Taken               | Pattern Recognition and ML  |  | Data Mining   |   | web Server Design   |
| Computer skills             | <ul style="list-style-type: none"><li>Matlab &amp; Simulink</li></ul>   | <ul style="list-style-type: none"><li>HTML</li></ul>       | <ul style="list-style-type: none"><li>C++/C/C#</li></ul>      |   | <ul style="list-style-type: none"><li>Java/JavaScript</li></ul> |
|                             | <ul style="list-style-type: none"><li>ASP.net</li></ul>   | <ul style="list-style-type: none"><li>TensorFlow</li></ul> | <ul style="list-style-type: none"><li>Python/Django</li></ul> |   | <ul style="list-style-type: none"><li>MySQL</li></ul>           |
| Professional Experience     |   |  |   |   |   |
| Internship                  | Proximie, Beirut, Lebanon   |  |   | Summer 2017                             |   |
|                             | <p>An engineering intern position at one of the new companies that uses Augmented Reality in medical surgeries.</p> <ul style="list-style-type: none"><li>Using the machine learning library Tensorflow to Develop a machine learning algorithm to recognize Medical tools during surgery using Python programming language.</li><li>The resulting algorithm could detect two tools at the same time in different positions.</li></ul>  |  |   |   |   |
| Extracurricular Projects    |   |  |   |   |   |
| Research Assistant          | Department of Electrical and Computer Engineering at AUB  |  |   | August 2016                             |   |
|                             | <ul style="list-style-type: none"><li>Research with my advisor Professor Mazen Saghir on designing a Hardware to accelerate 2D-convolution in neural networks using RISC IV with VHDL</li><li>Developing a machine learning algorithm to enhance branch prediction in processors.</li></ul>   |  |   |   |   |
| Final year Project          | <p>We won MSFEA FYP startup Award. We designed our FYP as potentially viable business product and we are continuing it now as a startup.</p> <ul style="list-style-type: none"><li>It is a Minimally-Invasive IoT Facility Automation System:</li><li>a Small device that can be plugged in easily.</li><li>It allows us to compute the power consumption and control the building appliances</li><li>The system can be used without changing the building infrastructure</li><li>The devices can connect between to each other.</li><li>The device connects to a server that has an AI inside it.</li><li>Moreover, we created the business model for our FYP.</li></ul> |  |   |   |   |
| EECE 633 project            | <ul style="list-style-type: none"><li>Worked on paper on how to generate Arabic music using Generative Adversarial network</li></ul>  |  |   |   |   |
| Other Activates             |   |  |   |   |   |
|                             | <ul style="list-style-type: none"><li>Competed in AUBHackathon</li><li>Competed in ourMENA Hackathon</li><li>AUB outdoors - Entertainment team member</li><li>AUB commencement ceremony - Usher (3 years)</li></ul>   |  |   |   |   |