

# Mohamad Orabi

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## Personal Objective

A highly motivated undergraduate student seeking an internship in Electrical and Computer Engineering. I invest a lot of my time in acquiring both technical and social skills that have prepared me well for a professional work environment.

## Education

**Lebanese American University – Byblos, Lebanon | 2016 – 2020**

- B.E. in **Electrical Engineering** – **GPA 3.91** | Expected Graduation: 2020
- Placed on the Dean's High Distinction list every semester
- Awarded a full scholarship by the University Scholarship Program (USP) hosted by the US Embassy.

## Software

Proficient in **Matlab**, **Simulink**, **Pspice**, and **Altera Quartus** for circuit design and simulation.

## Programming

- Unity: **Javascript** and **C#**
- Xcode: **Swift**
- Eclipse: **Java**
- Assembly: **HCS12**
- Also familiar with **Python**, **HTML**, **CSS**, **Github** Version Control and **Google's Firebase** services.

## Achievements and activities

- **Vice president** of the Engineers Without Borders club at LAU, Spring 2018
- **Community service project:** Preparing a workshop for two public high schools about Engineering, Robotics, and Arduino.
- **Job shadowed** a maintenance planner at CBRE.
- **Volunteer work:** volunteered multiple times in Beirut Marathon, beach cleaning and tree planting.
- **Java Instructor:** Volunteered as a main instructor for the IEEE Java Workshop in LAU.

## Academic Projects

<b>Home Automation System</b>	Designed and Implemented an electric circuit that controls the lights and curtains in a room depending on the light of the surrounding environment and the input of the user.
<b>Parking Ticketing System</b>	Designed and implemented a logic circuit that gives you the amount left to be payed according to the number of hours stayed and the amount already paid.
<b>Multifactor Authentication System</b>	Designed an authentication system that takes as input a button combination, a rotation of a knob, and range from an ultrasonic sensor in whichever order the user chooses using a MCU and HCS12 Assembly.

## Workshop

Time Management	March 2018
Public Speaking – How to deliver an effective presentation	February 2018
Optimizing future cellular networks by Dr. Hadi Gauch	January 2018
Arduino Workshop	October 2017
Work Ethics	June 2017