



Charbel el Chidiac

A very motivated and hardworking student from Lebanon with a passion for software and an affinity to work well under pressure.

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Education

Computer Engineering Lebanese American University, Byblos GPA 3..37/4	Sep 2017 – Present
French Baccalaureate- Life Sciences with Honors Saints-Coeurs Sioufi, Achrafieh	Sep 2014 – Jun 2017

Personal details

Date of birth
November 10th, 1999

LinkedIn
[linkedin.com/in/charbel-el-elchidiac](https://www.linkedin.com/in/charbel-el-elchidiac)

Internships

User Interface Intern Developer BMW Group, Munich	Nov 2020 – May 2021
<ul style="list-style-type: none">• Maintain a web application for factory robots• Report errors and bugs in the user interface• Coordinates and facilitates meetings between different teams and outside support companies working on the product	
Supervisor reference: Marlene.Denk@bmw.de	

Languages

English	
Arabic	
French	

Skills

Java, Python, C++	Git, GitAhead
HTML, CSS, Javascript, NodeJS	Assembly, Verilog, VHDL
Flask, Django, VSCode	MySQL, NoSQL, Firebase, MongoDB
Android Studio, Google APIs	Matlab, Altera Quartus
Linux Ubuntu 16 OS	Raspberry Pi, OpenCV

Certificates

'Parlement des Jeunes', USJ, 2016

'Maharat men Google' seminar by Google, 2019

CS50 Web development course offered by Harvard (2020)

Hobbies

- Ping Pong
- Gym workouts
- Football
- Gaming

Personal Projects

Final Year Project : Blind Pad and Application

Android Studio, Google Directions API, Raspberry Pi, OpenCV Software (Android App)

- User log in, automatically retrieves location, sends it to MongoDB
- CareTaker can see positions of user on Google map, draw a road and determine its distance & walking/driving duration
- Admin can see all blind users' location on map

Hardware

- 3 sensors connected to a Raspberry Pi, with an OpenCV controlled camera, recognizing objects which allowed to determine the surroundings of the user and controlled a solenoids pad to indicate the distance with the objects

Covid 19 Tracking Application

Android Studio

A graphical Android app with a TCP network which notifies users via email in case of contact with a positive-case individual within the past two weeks.

Java Tutoring Android App

Android Studio

A Java application which contains

- True/False and Fill-in the blank quiz for the user, with the values stored in a local DB
- A score and corrected results activity
- a map pointing to the Oracle Headquarters
- A web activity on the latest Java news

Course Registration

JavaFX, MySQL

Simulating a UI tutoring service connected to a MySQL database where a student/professor can

1. signup/ login
2. register/deregister a course

Ball Catching Rover

Raspberry Pi, OpenCV

A rover whose motors are controlled via a Raspberry Pi and a PIC, which has a camera detecting ball objects via an OpenCV code and Color spikes. The rover moved until it found 3 balls which it picks and delivers to a detected balls afterwards.

Car Parking System

Altera Quartus

Created a three slot parking system, with timing and billing conditions applied according to the specific IDs of the cars entering. The system was designed via Moore State Components (generators and comparators) VHDL on the Altera Quartus software