

# Mahdi El-Harake

## Computer Communication Engineer

Computer and Communication Engineering graduate eager to contribute to team success where I can apply and further develop the analytical skills and knowledge I built. Academic studies provided me with a solid proficiency in Computer Software and Hardware, Coding Languages, Cryptography and Network Security. A consistent track of records of successfully completing projects from the concept and detail of the design through to implementation, testing and handover. I am motivated to learn, grow and excel in the engineering industry.

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## EDUCATION

### Computer Communication Engineer

American University of Beirut

09/2016 - 06/2021,

## WORK EXPERIENCE

### Software Intern TELUS

- 06/2020 - 09/2020, *Alberta, Canada*  
*Achievements/Tasks*

Designed an Alarm System that sends an alarm to customers using IPTV, according to their region, in case of an emergency (using Firebase and Windows Communication Framework), replacing TELUS's existing system

*Contact: Dale McCormick-dale.mccormick1@telus.com*

## SKILLS

Microsoft MATLAB Pspice HTML CSS  
Swift C++ C# Python SQL VHDL  
Simulink Proteus Labview Unity Java  
Javascript Pycharm Django Visual Studio  
Netbeans MySQL Firebase Spring Boot  
Windows Communication Framework MicroServices  
ASP.NET Framework J2EE

## PERSONAL PROJECTS

### Engineering Competition (08/2017 - 12/2017)

- Designed and manufactured a micro-car

### Card Game (02/2019 - 05/2019)

- Designed and coded a card game on MPLAB IDE

### Encryption Algorithm (09/2019 - 12/2019)

- Designed a Graphical User Interface that implemented an encryption algorithm (DES)

### Web Application (09/2020 - 12/2020)

- Developed a web application that includes a database for an ecommerce store using Python, HTML, CSS, MySQL and JavaScript

### Buildings Database (09/2020 - 12/2020)

- Designed a Graphical User Interface for managing Buildings database using MySQL and Java

### Virtual Reality Orientation (02/2021 - 05/2021)

- Developed a Virtual Reality Environment for a virtual orientation on AUB campus using Unity

## CERTIFICATES

### Web Design (04/2012 - 06/2012)

*Second place in Web Design in Lebanese American University for creating a website about Women*

### Computer Science (04/2013 - 06/2013)

*Third place in Computer Science fair in Lebanese American University*

### Automatic Glass Cleaner (02/2012 - 04/2014)

*First place in Science, Math, and Technology Fair in AUB "The Automatic Glass Cleaner"*

## LANGUAGES

English  
*Native or Bilingual Proficiency*

Arabic  
*Full Professional Proficiency*