

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

Windows Communication Framework

ASP.NET Framework

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