

HOSSAM YOUNES

SOFTWARE ENGINEER

CONTACT INFO

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PROGRAMMING LANGUAGES

Java, Python, C++,
Javascript, HTML/CSS,
PHP, SQL

SKILLS

Efficient Algorithm Design

Web development

Machine Learning

Unity Game development

React& NodeJS

Object Oriented
Programming

Sql database design & dev

NoSql (Firebase)

Project Management

Flask& Django

Unit Testing

REST API

Flutter app dev

Network & Socket
programming

Documentation, Testing,
Profiling, configuration

LANGUAGES

English (Fluent)

Arabic (Native)

French (intermediate)

OBJECTIVE

Creative software engineer with great analytical and problem-solving skills and a passion for software engineering/development.
Seeking a full time position in a forward-moving company where i can hone and expand my skill set and learn from sharp professionals.

EDUCATION

AMERICAN UNIVERSITY OF BEIRUT, BEIRUT

Computer and Communications Engineering, Bachelor
Graduated December 2021

WORK EXPERIENCE

CARDINAL HEALTH, WAVEMARK- INTERNSHIP

Software Engineer
June 2021- August 2021

- Developed a tool to integrate 2 systems, The tool is written in Java, runs on Linux and involves configuration management, file management, API communication, multithreading and more...
- Developed a command line interface that sends and retrieves custom events to Sentry Error Monitoring Software using Sentry API
- Worked in Agile Scrum Framework
- Program deployed to production

PROJECTS

ECOMMERCE WEBSITE

Html, CSS, JS, PHP, SQL
May 2020- Sep 2020

Full Ecommerce website with admin support where users can log in, view listings, add items to shopping cart, cash out, and admins can manage (add, delete change category) products and users.

- Client Side : Html&CSS, JavaScript,DOM, AJAX, JQuery.
- Server side: PHP, Web services, Data Validation
- Database: SQL

<https://github.com/HossamY99/Web-project>

WEB/ANDROID/DESKTOP APP - CURRENCY EXCHANGE RATE PLATFORM

React, Node JS Python, Flask, HTML&CSS, Kotlin, Java, REST API,SQL
Feb 2021- May 2021

Platforms where users could input transactions, view graph of current exchange rates retrieved& calculated from backend, perform peer to peer trades, check their balance.
Implemented on web, mobile, and desktop:

- WEB: HTML&CSS, react, Node JS
- MOBILE: Android studio, kotlin, retrofit
- DESKTOP: JAVA, JAVA FX
- BACKEND: FLASK, SQL

github.com/HossamY99/Exchange-platforms

RELEVANT COURSEWORK

- Object-Oriented and Effective Java Programming
- Design and Analysis of Algorithms
- Introduction to Machine Learning with Python
- Web Programming and Design
- Software Tools Lab
- Programming in Python
- Data Structures and Algorithms C++
- Software Engineering
- Mobile, web, desktop development
- Cryptography & Network Security
- Unity Game Development
- Cybersecurity Awareness Certification

FLUTTER BARTERING APP WITH MACHINE LEARNING COMPONENT

Flutter, Machine learning, Flask
Oct 2020 - May 2021

A marketplace app that allows users to trade items they no longer need/ want without the need of fiat money with the help of a value estimating ML component.

Includes;

- Machine learning model for price prediction of listings based on inputs such as condition and description...
- Flask API for communication between python script and flutter
- Firebase realtime database
- Dart client-optimized programming language

github.com/HossamY99/Flutter-ML

WEB PROJECTS

Html, CSS, JS, PHP, AJAX, SQL
May 2020- Sep 2020

Multiple unpublished websites that cover the following:

- Client Side Scripting: JavaScript, Document Object Model (DOM), AJAX, JavaScript objects and JSON, XML DOM, JQuery...
- Server side: PHP, Files, Processing Forms, Web services, Session and cookies, Data Validation
- Multi-tiered Applications: Database Tables, MySQL server, SQL, Querying Multi-Tables, Embedded SQL (inside PHP)
- Web Security Basics

https://github.com/HossamY99/webother

QT SHOOTING GAME

Qt, C++, OOP
Sep 2020- Nov 2020

Viruses appear dynamically on the screen, shoot as many as possible with a rotating hypodermic needle. Includes:

- Object oriented programming
- Software tools (source control, documentation, debugging, build automation, testing, profiling and configuration).

https://github.com/HossamY99/qt-game

MACHINE LEARNING COURSE PROJECTS

Machine Learning, Tensorflow
Sep 2020 - Nov 2020

Multiple machine learning projects that cover the following:

- Supervised Models:Regression,Neural Networks, Decision Trees.
- Unsupervised: Clustering, recommender system
- Generative models, bayesian networks, probabilistic modeling
- Model evaluation
- Deep &Reinforcement learning

https://github.com/HossamY99/ML

COVID VACCINATION APP

React Native, Python, Flask, MySQL
Sep 2021 - Dec 2021

A mobile application that manages the vaccination process of a specific population/country.

Includes;

- Communication with a centralized database
- Accessibility through a patient, medical personnel or admin
- Communication on a network through flask

github.com/HossamY99/Vaccination-App

AWARDS

HONOR LIST	GC-LAU MUN SCHOLARSHIP	GRADUATED WITH DISTINCTION
2019->2021	2017	2021
BEST SCORING STUDENT SCHOLARSHIPS IN MIDDLE& HIGH SCHOOL		
2014-2018		

INTERESTS & HOBBIES

GAME/APP DEVELOPMENT, EFFICIENT ALGORITHM DESIGN, MACHINE LEARNING, VIDEO EDITING, GUITAR, SOCCER, ANIMATION