

Marwan Awad

Graduate

Personal Info

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GitHub
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Skills

- Front End Web Development
- Android Development
- Adobe Illustrator
- Machine Learning
- Computer Vision

Software

CSS	★★★★★
C/C++	★★★★★
JavaScript	★★★★★
React.js	★★★★★
MySQL	★★★★★
HTML	★★★★★
Dart	★★★★★
Flutter	★★★★★
Python	★★★★★
MATLAB	★★★★★
MIPS/RISC-V	★★★★★
Swift	★★★★★
System Verilog	★★★★★
Android Studio	★★★★★

Work History

2021-07 - 2021-10	Front End Developer <i>United UFOQ, Cairo</i> Designed and created functional and appealing user-oriented interfaces that scale to device size that meet usability and performance requirements using css, html and the React.js framework of javascript as part of a project for an employment hub including interactions with prebuilt REST APIs in order to retrieve data from backend servers and databases.
2019-08 - 2020-03	Culture Workshop Moderator <i>International Student Leadership Conference, Cairo</i> Created and delivered content related to culture and different aspects of culture such as social media, mythology and sociological and anthropological theories for 8 4 hour sessions as a group of 3 for more than 50 university level students.

Education

2017-09 - 2022-05	Computer Engineering, Bachelor of Science <i>American University in Cairo, Cairo</i>
2005-10 - 2017-06	High School Diploma <i>The British School of Al-Rehab, Al-Rehab City</i>

Projects

2021-09 - 2022-05	Thesis Project - RealTime Cheating Detection in Classroom Developed a fully functioning system built using electron.js for front-end, MySQL and REST APIs for backend and Python that utilizes the YOLO network to detect students dynamically then classify each frame of the exam to check for potential cheating cases in real time and alert in exam proctor through GUI.
2022-05 - 2022-05	Cloud Assisted Smart Parking System Created an embedded systems project where a flutter app of my own creation communicates with an ESP32 Dev board via firebase firestore in order to give user location of free parking spots in parking lot.
2021-11 - 2021-12	Distributed Image Sharing Application Implemented using C++ and QT in a team of five. The application was developed using low-level UDP sockets, multi-threading and various functionalities allowing for fault tolerance.
2021-12	English Character and Number Classifier Built an english character and digit classifier using CNN Artificial Neural Network using TensorFlow and Keras on Python. Achieved an accuracy of 99%
2021-04	Web Crawler and Scraper using python using the beautifulsoup library to scrape a popular Egyptian website to extract information about movies and casts of the movies from the last 10 years and dumped onto a MySQL database.
2021-04	Simple Website to View and Review Movies and Cast Included user registration, authentication and login using php and MySQL

INSERT and SEARCH queries. The database which was populated using a beautiful soup 4 script. The website uses php, JavaScript.

2021-01

Student Study Schedule App

Android Full-Stack Developer

Created on Android Studio using Java to develop the front-end, back-end was created using google firebase for user authentication, node.js and MySQL.

2020-10

CPU Simulator

- 2020-12

Using C++ that worked in concurrency using multithreading and Objects to take different instruction sets from text files concurrently.

Volunteering

2018-10

Anti-Cancer Team - Academic Director

- 2019-12

Organized fun days for cancer patients under the age of 16 and went to the hospital on a regular basis to provide entertainment. The position required starting multiple cancer awareness campaigns in my university throughout my time in Anti-Cancer Team.

2017-10

3al Raseef - MicroProjects Head

- 2018-04

Lead groups to various orphanages and villages in Egypt to teach young children basic maths and arabic and english while also preparing fun activities throughout our visits. The main focused on children 10 or under.

Certificates

2021-12

Computer Vision Bootcamp with Python(OpenCV) - YOLO, SSD