Yehya Hamzawy

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Education

Misr International University
Bachelor of Science in Computer Science. [2020]
Thanaweya Amma. Al-Najat School [2016]

Experience

Team Leader of a Management System for Samusocial
- *Designed infrastructure for storing user information and managing changes and activities inside the system database*
- *Applied multiple Software Engineering Fundamentals to allow for easier feature development and changes*
- *Interviewed our client multiple times for feedback and changes required based on our agreement*

Languages

Arabic (Native), English (Advanced)

Skills

Languages: JavaScript, Python, PHP, Java, C++, HTML, CSS, LaTeX
Databases: SQL, Firebase
Operating Systems: Windows
Development Tools: Git, Visual Studio, Visual Studio Code, Netbeans, Rapidminer, Android Studio, PyCharm, Jupytar
Frameworks: Bootstrap, OpenGL/WebGL

Graduation Project

iKarate: Karate Training System
Software Application
Description:
The main objective of the project was to create a system to help and assist novice karate students in training.
iKarate makes use of the Kinect features to capture the player's movements. Through the Kinect, the system is able analyze the player's performance in real-time, detect the movement performed, and evaluate the performance.

- Used Kinect sensor to record a MoCap of the user
- Researched multiple Academic materials to apply our System
- The System successfully classifies Karate moves and generates a report on player performance

Recent Projects	Nonprofit Organization Management System

Recent Projects

Nonprofit Organization Management System

Web Application
- Software Engineering's main concepts and design patterns Applied
- Applied Entity-Attribute Value model to Database to cope with change of requirements and add more flexibility to the system
- Implemented Model-View-Controller.

Business Card OCR

Android Application
- The application scans a business card using the Phone's camera
- A contact is created in the user's phone with the information on the card
- Google's ML Kit library were used

Achievements

Published a Paper in ANT conference 2020

Published a Full Paper of the iKarate system in Ambient Systems, Networks and Technologies conference in Poland
The committee was impressed by the paper and the contribution of the System provides as an end product

Relevant Coursework

Computer Programming & Problem Solving	Data Structures & Algorithms
Object Oriented Programming	Database Management Systems
Web Development	Software Engineering
Mobile Device Programming	Computer Graphics
Machine Learning	

Personal Statement

Ambitious problem-solving Software Developer with an interest in challenging projects and flexible with all sorts of personalities. Experience in web construction, and back-end developing