Mahmoud Ahmed Fathy

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Summary

Senior computer science student. Well-versed in numerous programming languages including Python, PHP, Java, MySQL, HTML, C++, C#. Strong background in project management as a result of implementing many projects in different fields.

Education

BACHELOR OF COMPUTER SCIENCE
Misr International University
2016 – 2020

AMERICAN DIPLOMA
2013 – 2016

Projects

- **Self-driving car using stereo-vision. (Graduation Project)**
  A self-driving car prototype that integrates between different new technologies including some algorithms that help the car to be fully aware of its surrounding environment.

- **Hotel Management System.**
  An object-oriented full hotel management system using JAVA programming language.

- **Nursery Management Website.**
  A fully implemented nursery management website using PHP, HTML, JavaScript, CSS, MySQL, AJAX.

- **Red crescent club web application.**
  An implemented Web Application using Object-Oriented PHP, HTML, JavaScript, CSS, MySQL, AJAX. The project was mainly based-on software engineering concepts and implementation design patterns.

- **Ear Recognition Program.**
  An Image processing machine learning program using python where it recognizes to whom does an image of a person's ear belongs to based on a dataset.

- **Solar System Animated 3D Model.**
  A program where I have fully implemented an animated 3D model of our solar system using the Three JS library in WebGL.

- **2D Car game.**
  An implemented 2D car game using Python. The game was completely implemented using the OpenGL library.

Coursework & Achievements

- ***Neural Networks and Deep Learning course*** by deeplearning.ai on Coursera. Certificate earned on Saturday, August 3, 2019, 2:51 PM GMT.
- ***Designing and implementing self-driving car research paper.*** Published a research paper of my graduation project in MobiSPC2020 "An International Conference on Mobile Systems and Pervasive Computing at Leuven, Belgium".

Work Experience

- **Smart-Info Plus, Cairo, Egypt**
  Information Technology Intern.
  June 2019 – January 2020

Computer Skills

- Photoshop – Intermediate
- Unity3D Game Engine – Advanced
- Microsoft Office – Advanced
- Blender 3D software – Intermediate

Extraordinary Skills

- **Former professional judo player.**
  2004 – 2016
- **Former football player.**
  2010 – 2012
- **Former water polo player.**
  2013 – 2014