

Omar Hesham Abdellatif

Address: Al-Haram, Giza, Egypt

+20 109 876 4353 ♦ omarabdellatif1997@gmail.com

CAREER OBJECTIVE

Pursuing a challenging career as a software engineer in an organization that provides me with the opportunity to apply my skills, extend my knowledge and contribute to the development of the organization.

EDUCATION

Information Technology Institute

September 2020 - June 2021

9-month Professional Training Program in Software Architecture.

Cairo University, Faculty of Engineering

September 2014 - June 2019

Bachelor of Science in Computer Engineering.

Grade: Very Good with Honors

Graduation Project: **Real-time Hand Gestures Recognition**

Grade: Excellent

Real-time hand gestures recognition using deep learning and image processing. The recognized gestures from the RGB camera are used in controlling presentation slides.

Technologies Used: • Python • TensorFlow • Pytorch • OpenCV

WORK EXPERIENCE

Worex Technology

October 2019 - September 2020

Systems Engineer

- Understand Customer needs and Gather Requirements then mapping the needs to ITSM solutions.
- Implementation, integration, customization and support of service management, monitoring, automation tools from BMC, Ivanti, Microfocus, etc.
- Integrate ITSM solutions with customers' current systems if needed to maximize the value to customers.

PROJECTS

- Examination system using **C# Windows Forms**, **Microsoft SQL Server** and **Entity Framework**.
 - Recruitment system for companies using **ASP.NET Core** and **Entity Framework**.
 - Real time multiplayer game using **Node.js**, **Socket.IO** and **P5.js**.
 - Api to manage books using **MongoDB** and **Node.js**.
 - Web Search Engine in **JAVA**.
 - Logic design simulator in **C++**.
 - Scrabble game solver using Artificial Intelligence in **C++**.
 - Robotic arm playing chess using **Arduino** and **C++**.
 - Handwriting identification in **PYTHON**.
 - Discrete Convolution Neural Network Accelerator in **VHDL**.
 - Pipelined processor in **VHDL**.
- Github Link: <https://github.com/omarabdellatif97>

SKILLS

Technical Skills

- C++ • C • Embedded C • C# • ASP.NET Core • Entity Framework
- Microsoft SQL Server • Git • Node.js • Javascript • Angular • Docker
- Blazor WebAssembly • Machine Learning

Soft Skills

- Time Management
- Hard Working
- Problem Solving

INTERNSHIPS

102 hours in Embedded Systems and PCB Design held at Cairo University by Information Technology Institute (ITI).

COURSES

Embedded Diploma:

Full Embedded Systems Diploma under supervision of Engineer Mohamed Tarek, The Diploma covered the below topics:

- Basic Concepts of Embedded Systems.
- C For Embedded Applications(Embedded C).
- AVR Micro-controllers Interfacing.
- Real Time OS(RTOS).
- HW Labs.

Machine learning courses in Coursera:

- Neural Networks and Deep Learning.
<https://coursera.org/share/69447101db5d6e39bc0a65441a8146e2>
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization.
<https://coursera.org/share/5d056d2dba92b30a4edf5f3ee3fcc33e>
- Structuring Machine Learning Projects.
<https://coursera.org/share/d4be779147d2381d26e00e19f8ce66fc>

AWARDS AND HONORS

Swimming

- Professional swimmer at Cairo Sporting Club.
- Earned medals in national and international events.
- Attended international events in Germany, USA, UAE and Algeria.

PERSONAL INFORMATION

Nationality: Egyptian

Languages: Arabic (Native), English (Proficient)

Military Status: Exempted

LinkedIn: <https://www.linkedin.com/in/omarhesham1997/>