Omar Hesham Abdellatif

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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 - Present (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**.
· Logic design simulator in **C++**.
· Scrabble game solver using Artificial Intelligence in **C++**.
· Robotic arm playing chess using **Arduino** and **C++**.
· Simple Web Search Engine in **JAVA**.
· 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# • ASP.NET Core • Entity Framework • Microsoft SQL Server • WinForms
• C++ • C • Docker • Git • MongoDB • Node.js • Javascript • Bootstrap
• Blazor WebAssembly • Machine Learning • Embedded C

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. (Certificate)
· Improving Deep Neural Networks. (Certificate)
· Structuring Machine Learning Projects. (Certificate)

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/`