Omnia Soliman

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SOFTWARE ENGINEER

Software engineer with 4.5 years of experience. My professional experience is in both Industry and Research. Proven track of implementing scalable projects with high Object-Oriented Programming standard. I had to break my career for maternity leave from the beginning of pregnancy and now looking to resume my work. In my industrial and academic work, I was able to resolve issues alone or in cross-functional team environments. Seeking a challenging and dynamic position in a multinational corporation, which provides an encouraging long-term career, where my organizational, creativity, research, communication skills and experience will be employed and developed.

INDUSTRIAL EXPERIENCE

* Maternity leave 2015 – Now

During pregnancy, I took the responsibility to learn and study how to raise and grow up a child and enjoying my last free-time as well as my new task. After birth, my whole time was for my baby to make him a true man for 2 years and he has just joined the kindergarten.

* Master in communication and information technology 2009-2014

Refer to the academic experience section

* Junior Scientist (CIS), Nile University: 2013

Doing a research on Intelligent Transportation Systems and problems that traffic faces at Egypt. Developing system that monitors congestion and navigates drivers and passengers for an optimum route for required destination learning.

* Software Developer Engineer, Paxeramed: 2012

Team of 6 has been using Scrum Agile methodology for managing the project.

Responsibility: DICOM communication including; Creation of the DICOM-Burn module, DICOM-Scanner module and Printing of DICOM images. Using DICOM-Protocols store/retrieve to access PACS and display DICOM images in a treeview and mini-viewer. Using C# 2008.

* Research Assistant (CIS), Nile University: 2009-2011

Doing a research on education and problems that children face at schools. Developing an environment for learning capable to solve these problems, using virtual environment and.Net Visual Studio 2008(C#).

* Instructor, New Horizons: Winter/Summer 2008

Participate as an Instructor in JDP "Junior Developer Program”.

Course Content: Microsoft Expression Web2007’ and ‘C# Beginning’.

ACADEMIC EXPERIENCE

* Master in Communications and Information Technology (CIT)- Informatics, Nile University, 2014

Master Thesis: Enhancing the Way of Children learning using virtual learning techniques: Virtual Laboratories

Abstract: Enhancing the learning process using a virtual learning which called distance learning. This technique is used to help the student to engage with the scientific process and this through developing virtual laboratories.

Using this technique with multimedia allows students to communicate and collaborate with each other and exchange learning.

Platform: Visual Studio 2008 [C#] and SecondLife Virtual environment.

Project Supervisor: Doctor Nashwa Abd Elbaky.

* B.Sc. of Systems and Biomedical Engineering, Cairo University, 2009, V. G. with Honor grade.

Graduation Project: Enhanced Diagnostic IOL A-Scan with Distinction grade.

Abstract: Performing eye dimension measurement and intraocular lens (IOL) power calculation. Depending on the ultimately safe Ultrasonic (US) waves to identify thicknesses and depths of various tissues in the eye and hence performing further lens power calculations is its basic concept.

Platform and Tool: [JAVA] and [8051 Microcontroller “Silicon Labs”].

Project Supervisor: Doctor Ahmed Samir Fahmy.

PUBLICATIONS

* Omnia A. Naseef and Nashwa Abdelbaki, “An Interactive Virtual World-Based Education System for Kids,” third international conference on education technology and training (ETT), Vol. 2, No. 2, 2010, China, Wuhan.
* Amira Gaber, Omnia A. Naseef and Nashwa Abdelbaki, “Creating An Innovative Generic Virtual Learning Lab,” World Congress on Computer and Information Technology (WCCIT), 2013 IEEE, Sousse, pp. 1-6.

COMPUTER SKILLS

Programming language:

* Programming with C#
* Programming with Java
* Programming with C / C++
* ASSEMBLY and C language for embedded systems Programming (Course project)
* VHDL hardware programming (Course project)

Tools:

* Microsoft Visual Studio ‘2005 to 2010’ IDE
* NetBeans IDE
* SQL server 2000, 2008
* MATLAB
* LEADTOOLS for image processing.
* Front page / Web Expression / Dreamweaver
* Secondlife Viewer

Scripting languages:

* LSL Scripting
* PHP
* Python

LANGUAGES

Arabic – Native

English – Very good

Swedish – Welling to learn