Curriculum Vitae
Eng. Amany A. Kandeel

Lecturer Assistant in Computer Science & Engineering Dep., Faculty of Electronic Engineering, Menofiya University.

Summary

I have ***MSc of Computer Science and Engineering*** from Menoufiya University. I am Computer instructor in Faculty of Electronic Engineering.
I have 10 years' experience in teaching computer engineering and science topics in different areas. I have very good experience in MATLAB programming especially in image processing applications. I have very good experience in using C, C++, and Java for solving problems.

Personal Details

Name: Amany Abdel Hameed El-Sayed Kandeel

Date of Birth: 27th January 1980

Place of Birth: Sirs Ellyan

Address: Ashmoun, Menofiya ,Egypt

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Amany_1980@hotmail.com

Nationality: Egyptian

Religion: Moslem

Health: Very good

Status: Married (2 Children**)**

English: Good in Speaking and writing

Education

Graduation: Bachelor of Computer Engineering & Science

Graduate at: Faculty of Electronic Engineering- Menofiya University

Graduate Date: May 2001

Graduation Grade: Very Good With Honor (81.18 %)

Graduation Project: Data Mining

Project Grade: Excellent

Post Graduate study (Summary):

MSc of Computer Science and Engineering

From: Faculty of Electronic Engineering, Menofiya University, Egypt

Date: 6/1/2008

Thesis Title: "Facial Features Detection Model Design"

Post Graduate study (Detailed)

Because I am very interested in image processing field, I pursued my Master of Science (MSc.) in Computer Science and Engineering in the image processing field.

My MSc thesis was specialized in face detection, with the title "***Facial Features Detection Model Design***". The main objective of my MSc. thesis was to detect the facial features of faces in the color images and detect the location of faces in these images. I implemented the algorithm using MATLAB. The system depended on two stages; skin detection and facial features.

Firstly, in this Skin detection stage; skin areas were selected according to experimental determined ratios. These areas were optimized according to existing of details.

Secondly, in facial features detection stage; this stage detected the objects in each segment. The objects that were localized in each segment were classified as eyes, nose or mouth. Then the verification step came to ensure this information. The results showed that the proposed algorithm was effective in detecting the frontal faces under varying lighting conditions, and the faces with small rotation. However it failed with images which are containing overlapped faces, where it detected them in the first stage of skin detection as skin area but it cannot treat with them in feature detection stage.

The system achieved detection rates of 93.7 % in skin detection stage; it achieved ratio of 96.5 % in detecting the faces from all skin segments and at last, it achieved ratio of 98.6% from the verification step.

We published one paper from this thesis:

[1] Hamdy M. Kelash, Mohamed. A. Berbar and Amany A. Kandeel “Faces and Facial features Detection in Color Images”, GMAI06, International Conference Geometric Modelling and Imaging, London, UK, (2006), 209 - 214, ISBN/ISSN: 0- 7695-2604-7, IEEE Computer Society.
I was awarded MSc degree in January 2008.

- I registered for PhD. in computer science and engineering. Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menofiya University, EGYPT at Sept. 2008.

Title of PhD "**Electrical Impedance Tomography Medical Image Processing"**

Skills

- Programming with C, C++, java & MATLAB.
- Operating Systems: Windows 98, Windows 2000, Windows XP,
- Windows Vista Windows 7, Windows 2003 server, DOS 6.22.
- Electronic circuit simulators such as AutoCAD and workbench
- Graphics using Photoshop
- Webpage design using HTML and Macromedia flash
- Computer hardware & software maintenance

Job History

September 2001 to May 2002:
Temporary administrator in Faculty of Electronic Engineering, Menofiya University.
March 2003 to 2008:
Demonstrator in Computer Science and Engineering Department. Faculty of Electronic Engineering, Menofiya University.
January 2008 Till now:

Assistant Lecturer in Computer Science and Engineering Department. Faculty of Electronic Engineering, Menofiya University.

Work Description

I was graduated in Faculty of Electronic Engineering, Menofiya University. At May 2001, I rewarded the Bachelor of Computer Engineering & Science; my grad was Very Good with Honor (81.18%). Then I worked for the Faculty of Electronic Engineering, as temporary administrator.
Then in 1/3/2003 I was appointed a teaching assistant in Faculty of Electronic Engineering in which I am still working in till this moment.
As a teaching assistant in Faculty of Electronic Engineering; I participated in a lot of its activities and projects. I participated in teaching some courses in Computer Engineering & Science dept. as listed below. Also every year I am participating in the student summer training.

Courses that I taught

I am very keen on the diversity of topics and subjects that I taught to wider and increase my scientific background and capabilities in different areas.

- I taught Drawing Electronic Components and Electronics lab for the 1st year at 2002.
- I taught Artificial Intelligence for the 3rd year at 2003.
- I taught Computer Logic Circuits course for the 1st year at 2004.
- I taught Computer Vision course for the 4th year at 2005.
- I taught Image Processing course for the 3rd year at 2006.
- I taught Software Engineering course for the 3rd year at 2006.
- I taught Computer software fundamentals course for the preparatory year at Sept. 2007– Jan. 2008..
- I taught Computer hardware fundamentals course for the preparatory year at Sept. 2009 – Jan. 2010.
- I taught Computer hardware fundamentals course for the preparatory year Sept. 2010 – Jan. 2011
- I taught Optical Computer course for the 3rd year and Computer software fundamentals course for the preparatory year at Feb. 2011-July 2011
- I taught Computer hardware fundamentals course for the preparatory year Sept. 2011 – Jan. 2012

- I taught Optical Computer course for the 3rd year and Computer software fundamentals course for the preparatory year at Feb. 2012-July 2012
- I taught Computer Architecture for the 3rd year and Data Structures and Algorithms (using C++) for 1st year at Sept. 2012 – Jan. 2013