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Résumé of Abeer Eshra

Personal Information:

Name: Abeer Abdul-Aziz Muhammad Abdul-Salam Eshra.
Job Title: Teaching and Research Assistant, Faculty of Electronic Engineering, Menoufiya University.
Address: 1 Soubk El-Dahak, 32831, El-Bagour, Menoufiya, Egypt.

Telephone: (0020) 48 36 32 488
Mobile: (0020) 10 06 76 9624
e-mail: abeerabdelazeez@hotmail.com
Nationality: Egyptian.
Date of Birth: 29 March 1984
Marital Status: Married.

EDUCATION:

September 2001 – May 2006 **Bsc in Electronic Engineering (Five year degree) May 2006, Average grade: Very good, Percentage: (80.32%)** from Computer Science and Engineering Dep. Faculty of Electrical and Electronic Engineering, Menoufiya University.

September 2006 – July 2007 **Master preparation Studies**, Computer Science and Engineering, Faculty of Electronic Engineering, Menoufiya University.

Courses:

1. Advanced topics in Data Transfer Systems.
2. Advanced topics in Multimedia.
3. Advanced topics in Artificial Intelligence.
4. Advanced topics in Distributed Systems.
5. Advanced topics in Operating Systems.
6. Advanced topics in probabilistic techniques.
7. Advanced topics in Digital Systems.
8. Engineering Terminology and English writing skills.

RESEARCH:

2008 – now: M.Sc student doing research in Computational Biology.

**Major
Research:**   Computational Biology.

**Minor
Research:**   DNA self-assembled Computers.

Thesis Title: Developing DNA self-assembled computers.

**Thesis
Objective:**   Using tools of molecular biology to simulate a DNA based algorithm for a Boolean circuit that employs standard bio-molecular techniques.

**Research
Areas:**   DNA self-assembly, DNA-computing, Molecular programming, Boolean circuits, Nanotechnology.

**Published
Papers:**   Abeer Eshra and Ayman El-Sayed. Finite state machines implementation using DNA Techniques Published in INTERNATIONAL JOURNAL OF COMPUTING SCIENCE AND INFORMATION TECHNOLOGY (IJCSIT), Vol. 01, No. 01, PP10-16, Jan 2013.

EXPERIENCE:

September
2006 - now   Teaching and research assistant in Computer Science and Engineering Dep., Faculty of Electronic and Electrical Engineering.

Participated in the following courses:

1. Algorithms and Data Structure: Spring 2006, 2007, 2011, 2012.
2. Flip-Flops and their applications: Spring 2007.
3. Introduction to Computer Architecture: Fall 2007, 2008, 2011.
4. Multimedia and web applications: Fall 2007.
5. Distributed Systems: Spring 2007.
6. Compiler Design: Fall 2008, 2009, 2010, 2011.

INTERESTS:

Research and teaching.

COMPUTER SKILLS AND TOOLS:

Programming Languages:

1. C++: Excellent
2. C#: Excellent
3. Java: Very Good
4. Assembly(8086): Very Good
5. Matlab 2007: Very Good

Programming Paradigms:

1. Structured Programming: Excellent.
2. Object Oriented Programming: Excellent.

Web Development:

1. HTML: Very Good.
2. FrontPage 2003: Very Good.
3. XML/XSL: Fair.
4. Macromedia Flash MX: Fair.
5. ASP .NET: Fair
6. Ajax: Fair.

Operating Systems:

1. Windows 98 till Windows 8: Very Good.
2. Mandrake and Ubuntu Linux: Fair.

General Application:

1. MS Office up till 2010: Very Good.
2. Latex: Good

Computer Maintenance:

1. A+ (Computer hardware maintenance): Good.

LANGUAGES:

- Arabic: Mother tongue.
- English: Fluently spoken, written and read.
- French: Fairly spoken, written and read.

REFEREES:

Available upon request.