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Mohamed Abdul Salam Mohamed

Objective

To pursue a career in the field of IT, Computer Engineering and related field.

Employment

1) From 10/2004 to date, Arab Academy for Science & Technology (Full Time), Cairo. Egypt.

From 10/2004 to 8/2005 as a Temporary Teaching Assistant.

From 9/2005 to 7/2008 as a Graduate Teaching assistant.

From 8/2008 to date as an Assistant Lecturer.

Duties

- Assist in teaching a number of Computer Engineering & Computer Science Courses (labs and tutorials).
- A member in the following academic committees:

Projects committee, Testing & control committee, Academic Books committee, Academic Registration committee (General academic advisor), Digital Hardware committee (Oversee all the needed hardware specification for the department). It's basically an administrative job to oversee the students and the department academic needs (lead TA in all of the committees mentioned above).

2) From 9/2003 to 6/2006, IT trainer, number of IT Training centers (Part Time), Cairo, Egypt.

IT Trainer

- Teaching IT Tracks such as Oracle Developer 9i, Web designing and Programming languages (C++, Assembly and Visual C++, MFCs).

Education

1) 7/2008, Masters in Computer Engineering with excellent standing from Arab Academy for Science & Technology, GPA (3.83/4.0), Cairo, Egypt.

MSc in Computer Engineering

- Proposed my own Wireless network security protocol and was able to prove that the protocol will improve security over any wireless(non ad-

hock) network at least 4 times compared to the contemporary protocols (WEP, WEP2, WPA and WPA2).

- Thesis Title "Wireless Networks Security".
- Graduated with the Grade "Excellent", the program doesn't have an honor system.

2) 8/2003, BSc in Computer Engineering with excellent standing and honors from Arab Academy for Science & Technology (www.aast.edu), Cairo, Egypt.

Bsc. in Computer Engineering

- Five honorary certificates for achieving one of the top four highest GPA over my class (Dean's list, over the five years period, five years study program).
- Graduated the fourth over my class.
- Graduated with honors with a GPA of (3.72/4.0), only six students graduated with honors on my class.
- Final Project Title "Computer Networks Security based on Smart Cards".

Professional memberships

IEEE member and Oracle certified associates member.

Patents and publications

Published a paper on the 8th International Conference on Advanced Communication Technology (www.icact.org IEEE peer reviewed conference), Feb 2006, South Korea, the paper title was "New Protocol Design for Wireless Networks Security".

Languages

Arabic (Native), English (Excellent... Toefl IBT score of 102/120), French (basic) and currently learning Japanese.

Awards & Certificates received

- ❖ Certificate of achievement for competing in the 2002 ACM Arab & North African programming contest.
- ❖ Certificate of achievement for attending YAT Professional Diploma in Web Design with excellent grades.
- ❖ An ORACLE certificate to certify me as an Oracle 9i PL/SQL

Developer Associate.

- ❖ A certificate for the successful completion of Oracle 9i developer program (1000 hrs) with a score of 95% during the program period and a score of 90% for the project at the end of the program (First over my class) part of the ministry of communication professional training programs, a nationwide Scholarship competitive program (only 100 gets to be admitted in my field).
- ❖ Five certificate of achievement for attaining one of the top four GPAs over my class during my Bsc (Dean's List) and winning five excellence scholarships.
- ❖ Full Scholarship to study the masters degree at the Arab Academy.

***Programming skills
& IT skills***

- ❖ Experienced in programming using Assembly, C, C++, Visual C++, Prolog, Haskell and CUDA.
- ❖ Experienced in using HTML/CSS and Macromedia's Action script.
- ❖ Experienced in using MS - Visual Studio.
- ❖ Experienced in using Matlab.
- ❖ Experienced in using Flash, Dreamweaver and Fireworks.
- ❖ Experienced in using C++ builder.
- ❖ Experienced in using Adobe Photoshop up to CS5 version.
- ❖ Experienced in using Oracle PL/SQL, Forms, Reports and database up to 11g.
- ❖ Networks deployment, troubleshooting and security (wireless and wired)(home and small office).
- ❖ Systems integration and deployment.
- ❖ Software deployment and troubleshooting.
- ❖ Computer assembly and hardware troubleshooting (PC, Workstations and Servers).
- ❖ Currently learning C# using Visual Studio 2012.

***Courses Taught at
the Arab Academy
for Science &
Technology***

- ❖ CC111 - Introduction to Computer
- ❖ CC112 - Structured Programming

- ❖ CC213 - Programming Applications
- ❖ CC215 - Data Structures
- ❖ CC416 - Computer Graphics
- ❖ CC412 - Computing Algorithms
- ❖ CC216 - Digital Logic Design
- ❖ CC317 - Digital System Design
- ❖ CC311 - Computer Architecture
- ❖ CC312 - Computer Organization
- ❖ CC243 - Computer Architecture
- ❖ CC415 - Data Acquisition Systems
- ❖ CC513 - Computing Systems
- ❖ CS345 - Structure of Programming Languages
- ❖ CS454 - Multimedia Acquisition and Communications
- ❖ IS371 - E-business Fundamentals
- ❖ IS461 - Decision Support Systems

Further Information about the above courses can be found on the AAST website (www.aast.edu)