

## Mohammed Messaoudi, Ph.D.



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### *Executive Summary*

Over 12 years of teaching experience and over 7 years as IT industrial consultant in UK, Canada and Saudi Arabia. Solid experience in curriculum development and ABET accreditation programs. Strong experience in software development and project management.

### *Education*

#### **Ph.D. in Computer Science**

*School of Engineering and Computer Science,  
University of Durham, UK*

1994

*Thesis: "Requirements Elicitation through Viewpoint  
Control in a Natural Language Environment"*

#### **Software Engineer**

*Institute of Mathematics and Computer Science,  
University of Oran, Algeria*

1985

### *ACADEMIC Experience*

#### **Assistant Professor of Computer Science**

*Faculty of Computer Sciences and Information,  
Imam University, KSA*

2004 - Present

#### **Assistant Professor of Computer Science**

*Institute of Public Administration, Riyadh, KSA*

1998 - 1999

#### **Lecturer**

*Language Center, University of Durham, UK*

1995 - 1996

**Research Assistant** 1994 - 1995  
*School of Education, University of Durham, UK*

**Teaching Assistant** 1989 - 1993  
*School of Engineering and Computer Science,  
University of Durham, UK*

## **INDUSTRIAL Experience**

**Technical Officer** 2000 – 2004  
*Alleyne Inc., Toronto, Canada*

- Maintained the availability of the corporate LAN consisting of Windows NT/2000/Linux servers, workstations, laptops, printers and multimedia equipments.
- Conducted business requirements analysis and specification for a variety of professional services clients.
- Managed network security including patch management, monitoring and investigation.
- Provided production support, including backups/recovery, and customer support, problem diagnostic and solving.
- Developed and maintained web sites for clients, managed their hosting services, and trained clients on updating their web sites online.
- Trained students' interns from a number of Canadian universities and colleges.
- Performed installation & configuration of system hardware, software and third party software. Proactively monitored, administered and tuned operating system and hardware. Performed upgrades & testing for system/network hardware, software and third party tools.
- Researched & evaluated third party software according to production needs. Performed compilation, packaging, installation & debugging of shareware software.

**Tools:** NT/W2K, Solaris/Linux, Visual Basic, Java, XML, Oracle, Apache, Perl, PHP, Adobe graphic tools.

**Programmer Analyst/Programmer**  
*Arabian Advanced Systems (Riyadh, Saudi Arabia)*

1996 – 1998

- Led the development of a major online services system, and was involved at all the stages of the product life cycle:
- Successfully developed the analysis and design process standards based on the principles of participatory design.
- Developed complex third party software using Visual Basic Win32 APIs and C++.
- Analysed requirements and developed detailed specifications.
- Analysed the system's architecture and developed a plan for customisation.
- Customized Visual Basic, and C++ programs.
- Designed and developed database tables, queries, and stored procedures on MS SQL Server.
- Customized Active Server Pages in the Visual Studio development environment.
- Translated forms and source code using the Windows and Borland API's.
- Developed the application packaging.
- Wrote system documentation and user manuals.
- Provided technical support and troubleshooting.
- Mentored junior developers and acted as the technical contact for the project.

### ***R e s p o n s i b i l i t i e s***

- Supervised over 20 graduation projects;
- Curriculum Development
  - Developed new study plans for the BSc and Masters Programs
  - Managed the transition to the new BSc plan.
- ABET for B.Sc. and Masters Programs.
  - Wrote course specifications for some courses
  - Translated course specifications into English
  - Attended several training workshops
- Students' Academic Guidance
  - Advised students on various issues including careers advice.
- Quality Assurance Committee
  - Represented the department in the meetings for the university's global strategy for quality assurance.
- Recruitment Committee
  - Communicated with potential candidates and answered their queries
  - Took part in interviewing new members of teaching staff.
- Graduation Projects Committee

- Communicated with some companies to place students for undertaking their graduation projects.
- Managed the control of the students' progress
- Coordinated the examination sessions and evaluation.
- Web sites development
  - Managed the Moodle System for the faculty of Science
  - Designed the website for the department of Math and Statistics <http://www.imamumath.org>
- Training - Trained students and staff on the following packages:
  - Oracle database administration
  - MATLAB for Science and Engineering
  - Microsoft Project Management
  - Moodle System

### *Taught Courses*

- Object-Oriented Programming in C++
- Client/Server Computing
- Programming for Science and Engineering
- Quantitative Methods in Management
- Database Management Systems
- Requirements Engineering
- Information Security
- Internet Applications
- Information Systems Development
- Management Information Systems
- Linear Algebra for Computer Science
- Structured language SQL
- Calculus for Engineers
- Information Resource Management

### *Supervising Thesis*

Ph.D. thesis: "Arabic Ontology Learning for Semantic Email", National University of Malaysia (under way)

## *Publications*

Messaoudi M., “Cross lingual web search: A comparison of Arabic only and English- Arabic web sites”. International Journal of Information Technology and Network Application, Vol. 3 No.1.

Messaoudi M., “Requirements Elicitation through Viewpoint Control in a Natural Language Environment”. Ph.D. thesis, School of Engineering and Computer Science, University of Durham, UK, 1994.

G.R. Batho, M. Messaoudi, and B.R. Worster-Davis, “The Tanner papers in the University of Liverpool”, Durham Thomas Harriot Seminar, 1995.

Messaoudi M., “Developing the Transliteration Interface for Arabic Text”. International Journal of Computer Applications, January 2013 issue.

Messaoudi M., “Requirements Engineering Through Viewpoints”. International Journal of Computing Academic Research, Vol. 2 No.2.

Messaoudi M., “A Model for Viewpoint Analysis through Learning”, Submitted to the Computer and Information Science Journal.

## *Certification*

- Oracle Certified Professional (OCP)

## *Training and Workshops*

- Professional Project Management
- ABET Course Specification workshop

## *Research Interests*

- Requirements Engineering
- Knowledge Management
- Arabic Semantic Web
- Data Mining
- Arabic Digital Content

## *References*

1. Professor Abdullah Al-Tameem  
Ex-Dean., College of Computer Sciences & Information,  
Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, KSA  
[altameem@yahoo.com](mailto:altameem@yahoo.com), 0555459093
2. Professor. Saleh Al-Zahrani,  
Ex-Vice Dean, Department of Computer Science,  
College of Computer Sciences & Information,  
Al-Imam Muhammad Ibn Saud Islamic University,.,  
[drsalehz@hotmail.com](mailto:drsalehz@hotmail.com), 0503291929
2. Dr. Mutlaq AlOtaibi  
Vice-Dean, College of Computer Sciences & Information,  
Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, KSA  
[mutaibi@hotmail.com](mailto:mutaibi@hotmail.com), 0566555888