

Curriculum Vitae

Personal Information

Full Name: Marwa Hussein Mohamed Abd-Elreheim

Current Position: Assistant Lecturer at Information Systems department, Faculty of Computer Science and Information Systems, Assuit University, Egypt.

Date of Birth: Nov 8th 1984

Nationality: Egyptian

Marital Status: Married

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URL: <https://scholar.google.com/citations?hl=en&user=6CwjwsAAAAJ>

Education

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| Oct. 2011 | Department of Information Systems, Faculty of Computer Science and Information systems, Cairo University, Cairo, Egypt.
M.Sc. thesis defense |
| 2006-2007 | Department of Information Systems, Faculty of Computer Science and Information systems, Cairo University, Cairo, Egypt.
M.Sc. preparatory year, overall grade 84.75% (Very Good). |
| 2001-2005 | Information Systems Department, Faculty of Computer Science and Information systems, Assuit University, Assuit, Egypt.
B.Sc. overall grade 87.96% (Distinction with degree of honor). |
| 1999-2001 | Graduation project grade: Excellent
Khadija Youssef Secondary School, Assuit, Egypt,
General Certificate Secondary Education,
Overall grade of the two years: 97.8% (Excellent) |

M.Sc. Thesis

Thesis Title: Ontology-Driven Content mining for bioinformatics Databases.

- Using Semantic Web technology to build a Disease-related Ontology
- Integrating data from various sources and bioinformatics databases.
- Develop a data mining algorithm to extract useful knowledge from the Disease-related Ontology.

- Examine the developed framework in data to get useful information about some diseases, such as colon cancer, prostate cancer and acute myeloid leukemia.

Publications

Hussein, M., & Soliman, T. H. A., & El-Sharkawi, M. (2012, November). Mining disease integrated ontology. In Proceedings of the 2012 IEEE 12th International Conference on Bioinformatics & Bioengineering (BIBE) (pp. 40-45). IEEE Computer Society.

Research Interests

I am generally interested in conducting my PhD in these topics, they related to my previous experience and current interests of research

- Bioinformatics
- Data Mining and data Analysis
- Semantic Web
- Big Data
- Social Networks Analysis

Teaching Experience

Teaching Assistant in the following courses: Fundamentals of Database concepts, Data mining, System analysis and Design, UML, Big data, and Java.

Languages

Arabic: Mother Tongue

English: Very Good (International TOEFL iBT 2015: 81/120)

Work Experience

2012- to present	Assistant Lecturer Faculty of Computers and Information Systems Information Systems Department Assuit University
2006- 2012	Demonstrator Faculty of Computers and Information Systems Information Systems Department Assuit University

Skills

Computer Skills

Programming languages: Java, SQL, C++, Python

Web development Languages: XML, OWL, RDF, ASP, PHP, JavaScript

Database Management systems: Microsoft Access, MySQL, SQL server

Software Packages: R

Technical Skills

Analysis and Design Skills: Write the Software Requirement document, the Entity Relationship Diagram (ERD), and other Low Level Design and High Level Design documents.

Project Management Skills: Follow-up all project development phases (analysis, design, development, testing, bug fixing, deployment, operational execution). Also, developing risk plan, and project estimation including writing uses cases and defining project resources, assign tasks to project resources using Microsoft project management tool. And finally, track project status till the end of the project.

Software Process Implementation Skills: Aware with software development life cycles; e.g., iterative and Agile approaches.

Communication Skills

Highly organized and have good communication skills with people from different cultures and ability to give presentations in a wide range of audiences.

References

Associate Professor: Taysir Hassan Abd-Elhamid Soliman
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Professor: Mohamed Ezz-Eldin El-Sharkawy
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