
ENAS ELGELDAWI

Faculty of Science, Computer Science Department

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Education

- **September 2014 – PhD in Computer Science**
Computer Science Department at Minia University, Minia, Egypt through collaboration with Computer Science Department at University of California Riverside, California, USA
Thesis title: “*Spam on Online Social Networks: Measurements, Analysis, and Defenses*”
- **February 2006 – M. Sc. in Computer Science**
Computer Science Department at Minia University, Minia, Egypt.
Thesis title: “A Comparative Study of the Optimal Routing Algorithms for Computer Networks”.

Research Experience

- September 1997 – Present, Research in Computer Science Department, Faculty of Science, Minia University, Minia, Egypt.
- 2012 – 2013, PhD postgraduate researcher in Computer Science Department at University of California Riverside (UCR), California, USA.
- October 2019 – April 2020, Post-doctoral researcher in Computer Science Department at University of Central Florida (UCF), Florida, USA.

Publications

- Awny Sayed, Enas Elgeldawi, Alaa Zaki, Ahmed Galal, “**Sentiment Analysis for Arabic Reviews using Machine Learning Classification Algorithms**”, International Conference on Innovative Trends in Communication and Computer Engineering (ITCE), February 2020.
 - Enas Elgeldawi, Maha Mahrous, Awny Sayed, “**A Comparative Analysis of Symmetric Algorithms in Cloud Computing: A Survey**”, International Journal of Computer Applications, vol. 182, no. 48, p. 7-16, 2019
 - Ahmed A. A. Radwan, Harsha V. Madhyastha, Fatma Omara, Tarek M. Mahmoud, Enas Elgeldawi, “**Pinterest Attraction between Users and Spammers**”, International Journal of Computer Science Engineering and Information Technology Research, volume 4, issue 1, pages: 63-72, 28 February 2014.
 - Enas Elgeldawi, Ahmed Ali Ahmed Radwan, Fatma Omara, Tarek M. Mahmoud, Harsha V. Madhyastha, “**Detection and Characterization of Fake Accounts on the Pinterest Social Networks**”, International Journal of Computer Networking, Wireless and Mobile Communication, volume 4, issue 3, pages: 21-28, 30 June 2014.
 - Ahmed A. A. Radwan, Tarek M. Mahmoud, Enas Elgeldawi “**Improving the Efficiency of the Flow Deviation Method for Solving the Optimal Routing Problem in a Packet-Switched Computer Network**”, The Annual Conference on Computer Sciences and Operations Research, Cairo, Egypt, (October 2000).
 - Ahmed A. A. Radwan, Enas Elgeldawi “**Solving the Optimal Routing Problem in a Packet-Switching Computer Network Using Decomposition**”, Egyptian International Journal, vol. 4, no. 9, (December 2003).
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Teaching Experience

- 2000 - Present, Faculty member in Computer Science Department, Faculty of Science, Minia University, Minia, Egypt. In the following areas:
 - **Specialized Courses**
Data Structure - Simulation and Modeling - Artificial Intelligence - Information Systems – Networking – Operating Systems – Theory of Compilation – Database
 - **Programming**
Assembly language - PASCAL - C++ - JAVA – C# - HTML - JavaScript - Visual BASIC – PROLOG – SQL – PL/SQL – PERL – PYTHON.
 - **Operating Systems**
Most of the Microsoft family Operating systems (DOS – Windows 9X/XP/NT/Server 2003), a solid experience in Linux and bash programming (Red Hat – mandrake), UNIX
 - **Applications**
A wide variety of application such as: MS Office – FrontPage – Dream Weaver – Flash – Fireworks.
- 2005 – 2010, A faculty teaching member in The **ICTP** – Information and Communication Technology Project – established by the Ministry of Higher Education, to implement efficient technology infrastructures and effective information systems to deliver responsive support service to students, faculty, and staff improving the quality, efficiency and relevance of higher education in Egypt.
- 2001 - 2002, Adjunct Faculty Instructor at New River Community College, Dublin, VA (Virginia), USA.

Work History

- Assistant Professor, [2014 – Present] Computer Science Department, Faculty of Science, Minia University, Minia, Egypt.
- **Instructor**, [2005 – 2010] ICTP, Ministry of Higher Education, Egypt.
- **Programmer**, [2001 - 2002] Conservation Management Institute, Virginia Tech, Blacksburg, VA (Virginia), USA.
- **Adjunct Faculty Instructor**, [2001 - 2002] New River Community College, Dublin, VA (Virginia), USA.

Training Courses

- **New River Community College, Dublin, USA**
 - Programming with JAVA
 - Advanced JAVA Programming
 - **Supreme Council of Universities, Central Unit of ICT Training, Cairo, Egypt**
 - TOT: Training of Trainers in Web Design.
 - **Oracle Egypt**
 - Oracle Database 10g: Introduction to SQL
 - Oracle Database 10g: Programming with PL/SQL
 - Oracle Database 10g: Administration Workshop I
 - Oracle Database 10g: Administration Workshop II
 - **ORASCOM Training & Technology (OTT)**
 - Linux Basics/Administration
 - Oracle 10g: JAVA Programming
 - Oracle 10g: Build J2EE Applications
 - Oracle Application Server 10g: Administration I
 - Oracle Application Server 10g: Administration II
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- Oracle JDeveloper 10g: Build Applications with ADF
 - Oracle AS Portal 10g: Build Corporate Portals
 - Oracle AS Portal 10g: Build Portal with JAVA

 - **Career Development and Consultation Academy**
 - Communication Skills and Presentation Skills
 - Technical Business Writing
 - Teamwork
 - Problem Solving and Decision Making
 - Customer Service
 - Basic Sales and Marketing Skills

 - **Faculty and Leader Development Project (FDLP)**
 - Research Methods Development
 - Effective Presentation Skills
 - Effective Thinking
 - Problem Solving and Decision Making

Projects

- **Graduation Project**

“The CPU Scheduler” – A program that simulates the functional behavior of the CPU Scheduler process in an Operating System running on single processor and dual processors machines. The program analyzes the performance of a system using the Round-Robin algorithm, which is the oldest, simplest, fairest and most widely used scheduling algorithms, designed especially for time-sharing systems.

- **Cooperative Fish Tagging Repository**

The project purpose is to build a web-based voluntary repository that better coordinates fish tagging and improves data collection efforts. Fish tagging programs are a vital part of a fishery manager's tools for assessing fish populations. Conducted properly, tagging can yield a wealth of information including fish movements, migration patterns, and statistics such as birth rates, mortality rates, and harvest levels. This information can be vital to appropriate management leading to healthier fish stocks.

This web site was sponsored by the Conservation Management Institute - a research center within the College of Natural Resources at Virginia Tech.

- **Distance Learning**

The project presents a web site for an Online University offering “Distance Learning” services to pursue graduate and undergraduate studies.

The site handles:

 - all teacher-student communications through internal email service,
 - testing through an automated test engine,
 - evaluating students through assignments and quizzes set periodically by teachers.

The site is provided by an “Administration Section”, which:

 - governs file management,
 - monitors all teacher-student transactions,
 - keeps track of and timestamps files uploaded and/or downloaded by teachers and students.

The whole project is built using J2EE, and Oracle 10g Database.

Honors and Awards

- Pre-Doctoral Channel Fellowship, Egyptian government (2012 - 2013)
 - Post-Doctoral Graduate Scholarships for Professionals (GSP) (2019 - 2020)
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Certifications

- **OCA** Oracle Certified Associate in *Database 10g Administration I*
 - **OCP** Oracle Certified Professional in *Database 10g Administration II*
 - **OCA** Oracle Certified Associate in *Oracle 10g Application Server Administration I*
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