

CURRICULUM VITAE

PERSONAL DATA

Name : Mahmoud Ahmed Mahmoud Abou Ghaly
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Current Address Al Haoia, EL Baha, KSA
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Date of birth : 26 / 3 / 1975
Nationally : Egyptian
Marial status : Married
Military status : Completed
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EDUCATION

- B. Sc. Pure Mathematics and Computer science, Faculty of Science, Ain Shams University, Egypt May 1995.
 - Grade : Very Good with Honor Degree 84.92%
 - Position : First Place in the 1995 graduation class
 - Graduation Project Grade : Excellent
- M. Sc. In Computer Science
 - Subject of Study : On Compilers of Applicative Languages
 - Date of Graduation : 17 / 5 /2004
- PhD. In Computer Science
 - Subject of Study : Semantics of Lazy Evaluation for Functional Programming Languages.
 - Date of Graduation : 23 / 2 /2009

Grants obtained:

Research visitor to ‘London South Bank University, UK’ for six months, from Feb 2006 to Aug 2006.

Publications

- Operational Semantics for Lazy Evaluation. Journal of Computer Science, (2007) New York, USA, 3(8): 639-645.
- Semantics of Lazy Evaluation using the Two-Level Grammar. Journal of Computer Science, (2008) New York, USA, 4(1): 21-29.
- A Software written with the SML functional Language implementing the G-machine (Implementation of the functional languages).
- A Software written with the SML functional Language implementing LmBr, “Operational Semantics for Lazy Evaluation”.
- An Extended Review on Internet of Things (IoT) and its Promising Applications 26, February 2019 Communications on Applied Electronics (CAE) – ISSN: 2394- 4714 Foundation of Computer Science FCS, New York, USA.
- News Recommendation Systems: Impediments and Future Prospects, IJIRIS: International Journal of Innovative Research in Information Security, Volume 09, Issue 05, November 2023.
- Ranking of Web Pages in a Personalized Search, Journal of Computer and Communications, 2023, 11, 89-101.
- A Novel Approach for Crop Selection and Water Management using Mamdani’s Fuzzy Inference & IOT, International Journal on Recent and Innovation Trends in Computing and Communication. ISSN: 2321-8169 Volume: 11 Issue: 9.
- Protecting Software Defined Networks with IoT and Deep Reinforcement Learning, International Journal of Intelligent Systems and Applications in Engineering, IJISAE, 2024, 12(8s), 138–147.
- A Comparative Study on Online Machine Learning Techniques for Network Traffic Streams Analysis, International Journal of Intelligent Systems and Applications in Engineering, IJISAE, 2024, 12(13s), 09–19.

Current Research interests:

Term Rewriting Systems, Types in Programming Languages, Business Process Management, Internet of Things.

Working Experience:

- Assistant Lecturer of Computer Science from Dec 95 till Feb 2009.
- Lecturer of Computer Science from Feb 2009 until now.
- Vice manger of the center of “Management and Information Systems”(MIS), Ain Shams University, Cairo, Egypt, From Feb 2009 to Jan 2010. I supervised many software projects during this period
- Collaborator with Suez Canal University, Egypt, in teaching Computer Science Courses. From Feb 2009 to Jan 2010.
- Assistant Professor of Computer Science at Albaha University from Feb 2010 until now.

Work Place:

In home country : Division of Computer Science, Faculty of Science
Ain Shams University, Cairo, Egypt.

Current work : Department of Information Technology, Faculty of
Computing and Information, AL Baha University,
KSA

Computer Skills:

- Programming using C, Borland C++, Visual C++, Basic, Visual Basic, Pascal, Ada, Fortran, Java, ML, Scheme, Haskell, Prolog.
- Microsoft office, HTML, Front page, PHP
- Maple V, Math Lab
- Access, SQL, Oracle

Training obtained:**Oracle University Courses:**

- 1- User Adoption Services (Eagle Program)
- 2- Oracle Database 10g: Introduction to SQL
- 3- Oracle 10g: Java programming
- 4- Oracle AS 10g R3: Build Java EE Application I
- 5- Oracle AS 10g R3: Oracle ADF for Forms/4GL Developers

Teaching Experience:

- Computer Programming using, C, C++, Basic, Visual Basic, Pascal, Ada, Fortran, **Java**, ML, Scheme, Haskell, Prolog.
- Theory of Computation
- **Database**
- Digital Design
- Complexity of Algorithms
- Computer Architecture and Assembly Language
- Data Structure using the C++ programming language
- Automata and Formal Languages
- Compiler Design using Pascal, ADA or C++ Programming Languages
- Syntax & Semantics of Programming Languages
- Computational Geometry
- Algebraic Specification
- Programming using the Functional Programming Languages
- Lambda Calculus and types in programming languages
- Term Rewriting Systems
- Operating System
- Geographic Information Systems
- Introduction to Management
- Discrete Structures

Note: The Bold for the postgraduate students