

C.V.

Alaa Mohammed Zaki



Personal Data

Name: Alaa Mohammed Zaki Ahmed

Birth Date: 4th, January, 1975.

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Education

- **B.Sc. in Computer Science, May 1997**, Computer Science Dept, Faculty of Science, Minia University, Very Good with Honor Degree.
- **M.Sc. in Computer Science, November 2008**, Computer Science Dept, Faculty of Science, Minia University. Thesis title “Applying Object State Testing Techniques to Object Oriented Software”.
- **Ph.D. in Computer Science, September 2015**, Computer Science Dept, Faculty of Science, Minia University. Thesis title “State-Based Testing of Web Applications”.
- Major specialty: Computer Science
- Minor specialty: Software Engineering

Programming Skills

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|--------------|-----------------|--------|------------|------------|
| 1) C and C++ | 2) Visual Basic | 3) C# | 4) MATLAB | 5) Python |
| 6) Java | 7) HTML | 8) PHP | 9) ASP.NET | 10) Kotlin |

Work Experience

1) Full Time

- A lecturer in the Computer Science Dept., Faculty of Science, Minia University from 2015 until now.
- Assistant lecturer in the Computer Science Dept., Faculty of Science, Minia University from 2013 until 2015.
- TA and then as an assistant lecturer in the Faculty of Information Technology, Sinai University from 2007 to 2013.

- **Demonstrator in the Higher Institute for Engineering and Technology from 2006 to 2007.**
- **Research student in the Computer Science Dept., Faculty of Science Minia University from 2000 until 2006.**

2) Part time

Works as a lecturer in the Faculty of Information Technology and Computer Science, Sinai University from 2015 till now.

Taught Courses

OOP with C++, Python, Java	Graph Theory	Logic Design
Data structures	Operations Research	Image Processing
Software Engineering	File Organization	Artificial Intelligence
Data Communications	Computer Networks	Computer Vision
Introduction to Cybersecurity	Cybersecurity Essentials	

Research Interest

My research interests are in software engineering, with a particular focus on software testing, understanding functional and non-functional testing. My Ph.D. research has focused on web application functional testing. The thesis presented two Web testing approaches, and we developed an automated web testing system that implements these approaches.

Publications

- "Object state testing of object oriented programs" 40th Annual Conference on Statistics, Computer Science, and Operations Research, 3-6 December 2005, I.S.S.R, Cairo University, Egypt.
- "An Automated Web Application Testing System", *International Journal of Computer Applications*, Volume 99– No.7, August 2014.
- "A State-Based Web Form Testing System", *International Journal of Computer and Information Technology (ISSN: 2279 – 0764) Volume 04 – Issue 02, March 2015.*

- "Face Recognition Based on Grey Wolf Optimization for Feature Selection", *International Conference on Advanced Intelligent Systems and Informatics AISI 2018*, pp 273-283
- "Sentiment Analysis for Arabic Reviews using Machine Learning Classification Algorithms", *2020 International Conference on Innovative Trends in Communication and Computer Engineering (ITCE) technical program, February 2020, Aswan, Egypt.*
- "Big Data analysis using a metaheuristic algorithm: Twitter as Case Study", *2020 International Conference on Innovative Trends in Communication and Computer Engineering (ITCE) technical program, February 2020, Aswan, Egypt.*
- "Privacy Issues of Public Wi-Fi Networks", The 2nd International Conference on Artificial Intelligence and Computer Vision (AICV2021), June 2021, Morocco.
- "Analysis of Adversarial Attacks on Face Verification Systems", The 2nd International Conference on Artificial Intelligence and Computer Vision (AICV2021), June 2021, Morocco.
- "Hyperparameter Tuning for Machine Learning Algorithms Used for Arabic Sentiment Analysis", E Elgeldawi, A Sayed, AR Galal, AM Zaki, *Informatics 8 (4)*, 79, 2021

Administrative Experiences

- 1- Participated in the preparation of the Curriculum for the faculty in 2011.**
- 2- Participant in the control examinations of the faculty since 2008.**
- 3- Participant in the preparation of tables of study and examination schedules in the faculty since 2008.**