




Al-Mustansiriya University /College of Science /computer Science Department

CURRICULUM VITAE

Full Name	Esraa Jaffar Baker اسراء جعفر باقر	
Date of Birth محل وتاريخ الولادة	Baghdad – 19/09/1971	بغداد
Gender الجنس	Female	انثى
Nationality الجنسية	Iraqi	عراقية
Languages اللغات	Arabic and English	العربية والانكليزية

Education **التعليم:**

Ph.D. دكتوراه	Computer Science علوم حاسبات	Universiti Utara Malaysia	2019
Title of Ph.D. Research: Conceptual Model of Mobile Augmented Reality for Engaging Hearing-Impaired Museum Visitors (specialist in Multimedia Systems) التخصص الدقيق أنظمة وسائط متعددة			
M.Sc. ماجستير	Computer Science علوم حاسبات	Iraqi Commission for Computers and Informatics	2005
Title of M.Sc. Research: Image Watermarking using Coarseness and Wavelet Transform			
B.Sc. بكلوريوس	Computers Science علوم حاسبات	University of Al Mustansiriay / Al-Education College/ Science Computer	2000-2001



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Practical Experience الخبرة العملية:

Position hold	Date From	Date To	Organization
Assistant Programmer معاون مبرمج	1992	1999	Ministry of Oil / Dora Refinery وزارة النفط/ مصفى الدورة
Lecturer تدريسية	2005	And continuous	University of Al Mustansiriay / College of Science/ Computer الجامع المستنصرية /كلية العلوم/الحاسوب

Project Supervising : الاشراف على مشاريع التخرج

B. Sc.	M.Sc.	PH.D.
32	-----	-----

Research Areas نطاق البحث:

- Computer Security.
- Image Processing.
- Multimedia Systems
- امن الحاسوب
- معالجة الصور
- أنظمة وسائط متعددة

Publishing Papers :الاوراق البحثية المنشورة

- "Data Hiding Using LSB" Journal of Education Collage, Al-Mystansirya University, Baghdad 2007.
- "Embedding Digital Watermarking Using Wavelet Transform" Journal of Education Collage, Al-Mystansirya University, Baghdad 2006.
- "Objects Extraction Using Region Growing Considering on Color Information", Journal of Base Education Collage, Al-Mystansirya University, Baghdad 2010.



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- "Infrared Communication Network Using HOC Algorithm" Journal of lecture, Baghdad University, 2010.
- "Steganography In Images by using Intersecting Plans" Journal Eng.and Technology Journal, University of Technology, Baghdad 2011.
- "Topographic Image Classification Considering Color Information", the conference will take place at computer Science, Al-Mystansirya University, Baghdad 2011.
- " Image Watermarking Using Wavelet Transform", The conference will take place at Applied Science University, in Amman, Jordan, 2006.
- Baker, E. J., Bakar, J. A. A., & Zulkifli, A. N. (2017). Mobile Augmented Reality Elements for Museum Hearing Impaired Visitors' Engagement. Journal of Telecommunication, Electronic and Computer Engineering (JTEC), 9(2-12), 171-178.
- Baker, E. J., Bakar, J. A. A., & Zulkifli, A. N. Engagement Elements for Mobile Augmented Reality Application. International Journal of Engineering and Technology (IJET). ISSN : 2227-524X.(2018)
- Baker, E. J., Bakar, J. A. A., & Zulkifli, A. N. (2018, September). Mobile augmented reality for hearing impaired museum engagement (MARHIME): A conceptual model. In AIP Conference Proceedings (Vol. 2016, No. 1, p. 020031). AIP Publishing
- Baker, E. J., Bakar, J. A. A., & Zulkifli, A. N. (2017, October). Elements of museum mobile augmented reality for engaging hearing impaired visitors. In AIP Conference Proceedings (Vol. 1891, No. 1, p. 020033). AIP Publishing.



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- Baker, E. J., Bakar, J. A. A., & Zulkifli, A. N. (2018, March). Conceptual Model Elements for Mobile Augmented Reality for Engaging Hearing-Impaired Museum Visitors. In SMMTC Postgraduate Symposium 2018 (p. 86).
- Baker, E. J., Bakar, J. A. A., Zulkifli, A. N., & Omar, A.,C. Development of the MARHIME App Embedding the Mobile Augmented Reality for Hearing-Impaired Museum Visitors Engagement Model. International Journal of Innovative Technology and Exploring Engineering, (IJITEE) ISSN: 2278-3075, Volume-8 Issue-8S, June 2019.
- Baker, E. J., Bakar, J. A. A., Zulkifli, A. N., & Omar, A.,C. Development of the MARHIME App Embedding the Mobile Augmented Reality for Hearing-Impaired Museum Visitors Engagement Model. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-8S, June 2019.
- Esraa Jaffar Baker, Juliana Aida Abu Bakar, Abdul Nasir Zulkifli, Ruzinoor Che Mat, Mohd Fitri Yusoff, Mazida Ahmad, Azizah Che Omar. (2020). Design, Development and Expert Evaluation of the MARHIME Prototype for HI Museum Visitors' Engagement. International Journal of Advanced Science and Technology, 29(08), 155 -165.

الدورات التدريبية Training

- IC3 trained
- Database
- Computer Graphics
- MS-DOS
- Research Methodology



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- Academic Writing

مزيد من الخبرة Further Experience :

Worked in the Computer Center at the Dora Refinery programmer of the year 1992-1999 after I finished my Master's in 2005 and served the function of a university professor in the Department of Computer Science Higher \ Faculty of Science \ Mustansiriya University since 2005 and still continues to work, I have achieved the following practical experiences.

- Techniques Computer.
- Computer Security.
- Image Processing
- Artificial Intelligence
- Computer Graphics
- Logic Design
- Web Design
- E-Commerce
- Programming language(C, Vb6, Pascal, C++, HTML, Mobile programming and MatLap)
- E- Commerce
- Web design programming
- Human Computer Interaction
- Computer Ethics
- Multimedia