



# Maha Saeed Ahmed Alghamdi

POSITION: Demonstrator

## Personal Data

Nationality | Saudi

Date of Birth | 19/10/1997

Department | Computer Science

Official UoD Email | Msaalghamdi@iau.edu.sa

Office Phone No. |

## Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2015-2019	Bachelor	Imam Abdulrahman bin Faisal university	Saudi Arabia

## Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Demonstrator	Imam Abdul Rahman Bin Faisal university	11/2019 - present



## Scientific Achievements

### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Khaznah Alhajri , Maha AlGhamdi , Maha Alrashidi, Taghreed Balharith and Rania Tabeidi	Smart Office Model Based on Internet of Things	2021   The International Conference on Artificial Intelligence and Computer Vision
2	Hanaa F.Morse , Maha S. AlGhamdi , Hussah M. Almusaid, Shouq A. Alsubaie , Dalal M. Almarri , Manal A. Alqahtani , Rasha A. Alqahtani , Rania A. Tabeidi, and Taghreed Balharith	The Smart Heater Based on Internet of Things	2021   The International Conference on Artificial Intelligence and Computer Vision
3	Khaznah Mubarak Alhajri, Amani AboushAlzahrani, Wadha Mohammed Almarrai, Ezaz Mohammed Aldahasi, Maha Saeed Alghamdi	Comparison of Parental Control Tools for Blocking Advertisements on a Home Network	2021   International Conference on Soft Computing and Pattern Recognition

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Research lighting series	Imam Abdulrahman bin Faisal University - Online 23/03/2021 – 12/04/2021	Participant
2	Resource Management in Fog Computing Model	Imam Abdulrahman bin Faisal University -Online 20/01/2021	Participant
3	Preparation and guidance program for teaching assistants and lectures for postgraduate studies	Imam Abdulrahman bin Faisal University - 26/10/2021- 30/11/2021	Organizer and participant
4	The first scientific week entitled: The impact of emerging	The Egyptian Scientific Research School in partnership with the Computer Science Department	Organizer



	technologies to confront the developments of the times	at the College of Science and Humanities – Online – 4-9/07/2020	
5	The 1st ACTEA2020 ONLINE Arab Postgraduate Students Conference in Emerging Technologies and Applications	The Egyptian Scientific Research School in partnership with the Computer Science Department at the College of Science and Humanities - Online 21-23/06/2020	Organizer
6	The First Summer Program (طويق) by the Computer Science Department at the College of Science and Humanities	Imam Abdulrahman bin Faisal University – Online 31/05/2020 - 25/06/2020	Organizer
7		Imam Abdulrahman bin Faisal University – Online 17/06/2020	Participated in presenting a workshop
8	The First Cloud Computing Forum	Saudi Cloud Computing Association – Online 07/04/2020	Organizer
9	The second forum of the heads of departments	Imam Abdulrahman bin Faisal University - 23/02/2020	Participant

## Membership of Scientific and Professional Societies and Organizations

- IEEE Membership

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution
1	Computer Organization	CS 414 (CS program)	Teaching (Practical)
2	Database Concepts and Design	CIS 321 (CS program)	
3	Fundamentals of Networks and Communication	Comp 312N	
4	Communication & Network Fundamentals	CIS 315 (CS program)	
5	Implementation of Graduation Project	Comp 421N	
6	Computer Application	Comp 122	Teaching (Theoretical and Practical)
7	Introduction to system analysis	Comp 224N	Teaching



8	Database programming	Comp 315N	(Practical)
9	Drawing and computer vision	Comp 411N	

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	From level 3 <sup>th</sup> to 8 <sup>th</sup>	18	2020	present

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Committee Membership

#	From	To	Position	Organization
1	2020	present	Member of the Design and Media Committee	Imam Abdulrahman bin Faisal University
2	2020	present	Administrative member of the Vice Deanship for Graduate Studies and Scientific Research	Imam Abdulrahman bin Faisal University
3	2020	present	Learning Resources Coordinator	Imam Abdulrahman bin Faisal University

#### Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2021	2021	Activating the programming initiative by supporting the community with software in the database concepts and design course by uploading student projects on GitHub.	Imam Abdulrahman bin Faisal University
2	2021	2021	Organizing and presenting the annual friendly meeting of the Computer Department 1443 AH	Imam Abdulrahman bin Faisal University
3	2021	2021	Organized member of the Teaching Assistants Preparation and Guidance Program and	Imam Abdulrahman bin Faisal University



			Lectures for Postgraduate Studies (تأهب)	
4	2021	2021	Organized member of the Research Lighting Series	Imam Abdulrahman bin Faisal University
5	2021	2021	Participation in the activation of World Autism Day	Imam Abdulrahman bin Faisal University
6	2020	2020	Organized member of the college students' graduation ceremony team for the year 1442 AH	Imam Abdulrahman bin Faisal University
7	2020	present	Tasks belonging to cooperation with the Cloud Computing Association.	Cloud Computing Association - Kingdom of Saudi Arabia
8	2020	2020	Breast cancer awareness exhibition.	Imam Abdulrahman bin Faisal University
9	2020	2020	Digital World Exhibition for the Department of Computer Science.	Imam Abdulrahman bin Faisal University
10	2020	2020	Program for the deaf	Imam Abdulrahman bin Faisal University
11	2020	2020	RE3 Electronics Recycling Campaign	Imam Abdulrahman bin Faisal University
12	2020	2020	Workshop for the kindergarten of the Royal Commission.	Imam Abdulrahman bin Faisal University
13	2020	2020	Organized member of the first summer enrichment program (طويق)	Imam Abdulrahman bin Faisal University
14	2020	2020	Presenting a workshop within the first summer enrichment program (طويق)	Imam Abdulrahman bin Faisal University
15	2020	2020	Organized member of the college graduation ceremony, batch 2020	Imam Abdulrahman bin Faisal University
16	2020	2020	Prepare an introductory video for the Walking Challenge competition	Imam Abdulrahman bin Faisal University
17	2019	2019	Workshop " 7 Habits of Happy Children "	Royal Commission Kindergarten- Jubail
18	2019	2019	Workshop "Encryption"	DEEMAH educational consulting EST. – Khobar



19	2018	2018	Workshop " 7 Habits of Highly Effective People"	Ministry of education - Jubail
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### Training courses have been attended

#	The course name and the organizer	Date
1	(Preparation and Guidance Program for Teaching Assistants and Lectures for Postgraduate Studies "تأهب") (College of Sciences and Human Studies - Jubail)	2021
2	Oracle Learning & Training Resources for CS students and after (College of Science and Human Studies - Jubail)	2021
3	Stochastic Dynamic Process in light of Computational Mathematics (College of Science and Human Studies - Jubail)	2021
4	Effective Note – Taking (College of Science and Human Studies - Jubail)	2021
5	Cloud computing in the Kingdom of Saudi Arabia (leadership and empowerment) (Cloud Computing Association)	2021
6	Cloud computing as a strategic value (Cloud Computing Association)	2021
7	Internal and external scholarship trip (College of Sciences and Human Studies - Jubail)	2021
8	Journals approved for promotion and rewards for excellence in scientific publishing (College of Science and Human Studies - Jubail)	2021
9	Scientific publishing and funded projects (College of Science and Human Studies - Jubail)	2021
10	The Cybercrime System in Saudi Arabia (Cloud Computing Society)	2021
11	The future of employment in the communications and information technology sector (Cloud Computing Association)	2021
12	Smart cities and IOT security (College of Science and Human Studies - Jubail)	2021
13	Workshop presented in the development of Android applications (College of Science and Human Studies - Jubail)	2021
14	The first session of the Professional Development Program within the Virtual Environment "Active Learning Strategies in Virtual Classrooms" (College of Science and Human Studies - Jubail)	2021
15	Scholarship Guidance Program - Post Scholarship Phase (College of Science and Human Studies - Jubail)	2021
16	Scholarship Guidance Program - Pre-Scholarship Stage (College of Sciences and Human Studies - Jubail)	2021
17	How to search in search engines and read scientific papers (College of Science and Human Studies - Jubail)	2020



18	Writing previous studies professionally (College of Sciences and Human Studies - Jubail)	2020
19	Writing Research Methodology (College of Science and Human Studies - Jubail)	2020
20	Creative problem-solving strategy (University Vice Presidency for Innovation and Entrepreneurship - Imam Abdulrahman bin Faisal University)	2020
21	Human and Artificial Intelligence (Social Services Department in Jubail Industrial City)	2020
22	Corona data analysis series using R language (Saudi Data Group)	2020
23	The dialogue session held with the winners of the first places in the #Covid-19 challenge (Saudi Data Group)	2020
24	Big data Analytics and artificial intelligence against COVID-19 (the Egyptian Scientific Research School in cooperation with the Department of Computer Science at the Faculty of Science and Human Studies)	2020
25	How to write university research in the time of Corona (the Egyptian Scientific Research School in cooperation with the Department of Computer Science at the Faculty of Science and Human Studies)	2020
26	Mechanic Learning for Bioinformatics: Principles and Applications (Egyptian Scientific Research School in cooperation with the Department of Computer Science at the Faculty of Science and Human Studies)	2020
27	Innovation is the key to entrepreneurship (Egyptian Scientific Research School in cooperation with the Department of Computer Science at the Faculty of Science and Human Studies)	2020
28	Etiquette of research and scientific publishing (the Egyptian Scientific Research School in cooperation with the Department of Computer Science at the Faculty of Science and Human Studies)	2020
29	Introduction to Cyber Security (Part 1) (العطاء الرقمي)	2020
30	Professional writing of previous literature (Scientific Research Committee, Department of Computer Science, College of Science and Human Studies)	2020
31	Resources management in cloud computing (Scientific Research Committee, Department of Computer Science, College of Science and Human Studies)	2020
32	Managing a research group for students undergraduate from choosing the idea to publishing in scientific conferences	2020
33	Establishing a facial recognition system (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
34	Graphic Design (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
35	Scientific Research Ethics (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
36	Using the Latex program in writing scientific research (Department of Computer Science - College of Science and Human Studies - Jubail)	2020



37	Forensic security survey of network-related devices (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
38	Hosting a Website on the Cloud (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
39	The basics of analyzing questionnaires using the SPSS program (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
40	How to write a scientific paper (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
41	The science of data hiding: concepts and applications (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
42	Basics of MATLAB Program (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
43	Data representation (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
44	Academic Writing (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
45	Selection and crystallization of entrepreneurial ideas (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
46	Fundamentals of business process management (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
47	Programming in Python (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
48	Participation in scientific conferences (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
49	Internet of Things (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
50	Programming in Arabic (Department of Computer Science - College of Science and Human Studies - Jubail)	2020
51	The Islamic Inclusion of Software Engineering ethics toward Islamization of Computer Science-(college of science and humanities – Jubail)	2020
52	Writing of conclusion and content of research -(college of science and humanities – Jubail)	2020
53	Writing of professional introduction -(college of science and humanities – Jubail)	2020
54	Resources management in cloud Computing -(college of science and humanities – Jubail)	2020
55	How to write technical reports -(college of science and humanities – Jubail)	2020
56	Management of research group for students who endear-graduated from choosing the idea until publishing in scientific conferences -(college of science and humanities – Jubail)	2019
57	Cyber security -(college of science and humanities – Jubail)	2019





58	Basics of Photoshop ( Ministry of education – Jubail )	2018
59	7 Habits of Highly Effective People -(Imam Abdul Rahman Bin Faisal university)	2018
60	Your ego is Brand -( Jubail university college – Jubail )	2018
61	Hour of Code -( college of science and humanities – Jubail)	2017
62	Ms project -( college of science and humanities – Jubail)	2017
63	Information security -( college of science and humanities – Jubail)	2016

### Training courses have been conducted

#	Training course name and the organizer	date
1	Database Administration course (Microsoft Access) - Community Service Committee - College of science and humanities – Jubail	2021
2	A workshop on building a dashboard using R – (طويق) – Computer Science department - College of science and humanities – Jubail	2020
3	A workshop on (word) - Community Service Committee - College of science and humanities – Jubail	2020
4	A workshop on (word) – Kindergarten department - College of science and humanities – Jubail	2020
5	A workshop on (excel sheets) - College of science and humanities – Jubail	2020

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Design using Photoshop
2	Design websites
3	Microsoft office applications
4	Video editing and production
5	Data analysis using the R statistical programming language
6	Editing texts in Arabic Language

### Last Update

12/12/2021

8/5/1443