

## Shaheen Abdullah Abdulkareem

**Country:** Iraq, Kurdistan region, Duhok City  
**Home University:** University of Duhok (UoD)  
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### Research field of interest

- Artificial intelligence (AI) and machine learning algorithms.
- Spatial Agent-Based Models (SABMs)
- Simulation of socio-environmental/ecological systems (SESSs)

### GENERAL SKILLS

1. Excellent communication skills
2. Enthusiastic team member
3. Able to work under pressure & on own initiative
4. Organisational skills
5. Problem solving
6. Flexible & willing to learn

### IT SKILLS

- Good working knowledge of C++, C, Java, Visual Basic and Pascal.
- Good working knowledge of MS Applications, Database design and management (using MS Access) and Networking concepts.
- Good working knowledge in ArcGIS and other GIS software
- Good working knowledge in geodata modelling and processing
- Good working knowledge in web technology for GIS and Mapping and Programming.
- Good working knowledge in ABM software: Netlogo and Repast S.
- Good working knowledge in statistical software: R
- A thorough understanding of computer organisation and components.
- Keeping abreast of the latest IT developments.

### EDUCATION

- July 2014 – Present University of Twente, Faculty of Behavioural, Management and Social sciences (BMS), Department of Governance and

Technology for Sustainable Development (CSTM) and University of Duhok (UoD), college of Science, Department of Computer Science

**Split-site PhD student and the research titled with:** “Enhancing Spatial Agent-Based Models of socio-ecological systems: What can Artificial Intelligence Algorithms add?” supervised by Dr Yaseen M. Taha, Dr Tatiana Filatova, and Ms. Ellen-Wien Augustijn.

- Sep 2008 – Mar 2010 Faculty of Geo Information Science and Earth Observation (ITC) – Twente University – Netherlands

**MSc in Geo-Information Science and Earth Observation – Geoinformatics course**

**MSc thesis title:**

“Simulating the Spread of Pertussis in Enschede Region Using Agent-Based Modelling” under the theme spatial database infrastructure technology.

During MSc. Participated successfully in the following ITC Modules:

Principles of remote sensing (RS), principle of geographic information systems (GIS), spatial data quality, base data acquisition, geodata modelling and processing, visualization and dissemination of geodata, image processing, web technology for GIS and Mapping, research skills, spatial change and spatial interaction modelling.

- Sep 2001 – Jun 2005 University of Dohuk

**B.Sc Honours in Computer Science**

Some of the course subjects included:

Java, C, C++, Visual Basic, Pascal, Databases, Graphics, Data structures, Software, Microprocessors, Networking, System Analysis and a Final Year project.

- Sep 1998 – Jun 2001 Dohuk Secondary School

**Baccalaureate Certificate**

The course included studying 6 subjects including:

Math, Physics, Chemistry, Biology, English and Arabic.

## ADDITIONAL COURSES

- July 2012 to Sep 2012  
Kent State University- Ohio, USA: Fulbright Visiting Academic Program for Iraq.
- Feb 2011 to May 2011  
Teaching methods course at University of Duhok (UoD)
- Apr 2008 to Sep 2008  
International institution for geo-information Science and Earth observation (ITC), Enschede Netherlands (Short Courses of 3 months).
- Summer of 2004 and 2005  
University of Dohuk - English language course

## WORK HISTORY

May 2010 – Present University of Dohuk (UoD)

### ***Assistant Teacher***

Teaching through lectures the theories and techniques of:

- For the academic year (2015 – 2016) teaching ***Operating Systems II*** for the third year students
- For the academic year (2013 – 2014) teaching ***Artificial Intelligence*** lectures for the undergraduates.
- For the academic years (2011 – 2012), and (2012 – 2013) supervising four ***undergraduate projects*** (two projects/year).
- For the academic years (2011 – 2012), and (2012 – 2013) teaching both the first and undergraduate (forth year) students. The subjects were: ***Computer Organization and Architecture I*** for the first year and ***Artificial Intelligence*** for the undergraduate students.
- For the academic year 2010 – 2011 teaching both the first and second year computer science students. The subjects were: ***Computer Organization and Architecture I*** for the first year and ***Computer Microprocessors and Assembly language*** for the second year students.

Sep 2005 – Sep 2007 University of Dohuk

### ***Assistant Programmer***

Involving in teaching and monitoring first and second year computer department students during practical sessions in computer labs. The subjects

were various, they included C++, OOP languages, Computer Applications, Data Structures and Microprocessors.

Also included preparing and marking student assignments, monitoring students during exams and attending staff meetings.

## LANGUAGES

Native Language: **Kurdish**.

Foreign Languages: **English** and **Arabic** (reading, writing and speaking).

## INTERESTS

Traveling, Cooking and baking, Swimming, and Reading.

## REFERENCES

- Dr. Yaseen Mustafa Taha  
Asst. Professor of Applied Statistics in Remote Sensing & GIS  
Director of ICT Center  
University of Zakho.  
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[Mustafa@itc.nl](mailto:Mustafa@itc.nl)
- Dr Tatiana Filatova  
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- Ms. Ellen-Wien Augustijn  
Lecturer and a member of the GIP (Geo-Information Processing) management team  
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