SAMAN BARAKAT

Ph.D. in Software Engineering
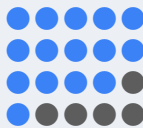
CONTACT

- ✉ saman.barakat@gmail.com
- 📞 +34-653-15-86-10
- 📍 Seville, Spain
- 🏠 Website
- 🐦 @SamanAlias
- 🐙 @saman-barakat
- in Saman Barakat
- 🎓 Saman Barakat
- ⓘD 0000-0002-7714-3742

LANGUAGES

- Kurdish
- Arabic
- English
- Spanish

⚙ WORK HISTORY

📅 09/2023 - Present
📍 SCORE Lab, Seville University, Spain
(Predoctoral researcher)

📅 04/2021 - 03/2025
📍 Seville University, Spain
(PhD student)

📅 12/2015 - 04/2021
📍 University of Duhok, Iraq
Teacher

- Teaching: OOP, Java, Algorithms and Complexity.
- Implementing two well-known algorithms of String matching to compare them practically.
- Performance evaluation of list iteration methods in Java and publish a paper.
- Investigate microservices performance practically and publish a paper.
- Supervising undergraduate projects.

📅 10/2012 - 12/2015
📍 University of Zakho, Iraq
Teacher

- Teaching: OOP and C#
- Design a RESTful non-repudiation service and publish a paper.
- Developing an information management system for a private company.
- Supervising undergraduate projects.

📅 10/2008 - 9/2011
📍 University of Duhok, Iraq
Teaching assistant

- Facilitating and supporting laboratory sessions, including preparing materials, demonstrating procedures, and supervising students.
- Assisting in course instruction, providing academic support through tutorials, answering student questions, and clarifying concepts.
- Collaborating with faculty to ensure smooth execution of both theoretical and practical components of the course.
- Grading assignments and lab reports, providing constructive feedback to students.
- Maintaining lab safety and equipment, ensuring a secure and organized learning environment.

✱ EDUCATION

📅 04/2021 - 03/2025
📍 University of Seville, Spain
Ph.D. in Software Engineering

📅 09/2011 - 08/2012
📍 Newcastle University, UK
M.Sc. in Advanced Computer Science

📅 10/2005 - 07/2008
📍 University of Duhok, Iraq
B.Sc. in Computer Science

✱ ONLINE COURSES

📅 2024 - 2025
📍 DeepLearning.AI
Prompt Engineering for Developers

📅 2020 - 2021
📍 University of Michigan, USA
Python 3 Programming
In this course specialization I could learn about the following topics:

- Python Basics.
- Python Functions, Files, and Dictionaries.
- Data Collection and Processing with Python
- Python Classes and Inheritance.
- Python Project: pillow, tesseract, and opencv

PUBLICATIONS

Validation of Inter-Parameter Dependencies in API Gateways

Saman Barakat, Sergio Segura

2025   *Computer Standards & Interfaces*   Link

The IDL tool suite: Specifying and analyzing inter-parameter dependencies in web APIs

Saman Barakat, Alberto Martin-Lopez, Carlos Müller, Sergio Segura, Antonio Ruiz-Cortés

2025   SoftwareX   Link

The IDL Tool Suite: Inter-parameter Dependency Management in Web APIs

Saman Barakat, Alberto Martin-Lopez, Carlos Müller, Sergio Segura

2023   International Conference on Service-Oriented Computing (ICSOC 2023 - Tool Demo)   Link

IDLGen: automated code generation for inter-parameter dependencies in web APIs

Saman Barakat, Ana Belén Sánchez, Sergio Segura

2023   International Conference on Service-Oriented Computing (ICSOC 2023)   Link

Toward Dependency-Aware API Gateways

Saman Barakat, Ana B. Sánchez, Sergio Segura

2023   Jornadas de Ingeniería de Ciencia e Ingeniería de Servicios (JCIS 2023)   Link

Specification-driven code generation for inter-parameter dependencies in web APIs

Saman Barakat, Enrique Barba Roque, Ana Belén Sánchez, Sergio Segura

2022   Service-Oriented Computing – ICSOC 2022 Workshops (WESOACS 2022)   Link

Automated code generation for inter-parameter dependencies in REST APIs

Saman Barakat, Enrique Barba Roque, Ana Belén Sánchez Jerez, Sergio Segura

2022   Jornadas de Ingeniería de Ciencia e Ingeniería de Servicios (JCIS 2022)   Link

Survey on serverless computing

Hassan B. Hassan, **Saman A. Barakat**, and Qusay I. Sarhan

2021   Journal of Cloud Computing Advances, Systems and Applications   Link

Empirical Performance Evaluation of Knuth Morris Pratt And Boyer Moore String Matching Algorithms

Sarhan S. Dawod, and **Saman A. Barakat**

2018   Journal of Duhok University

Performance Evaluation of List Iteration Methods in Java: An Empirical Study

Saman A. Barakat, and Qusay I. Sarhan

2018   JOURNAL OF INNOVACIENCIA

Monitoring and Analysis of Microservices Performance

Saman A. Barakat

2017   JOURNAL OF COMPUTER SCIENCE AND CONTROL SYSTEMS

Design and Implementation of RESTful Non-repudiation Services

Saman A. Barakat

2013   Journal of Information and Computing Science   Link