

Marah Al-Sarairah

Software Engineering Lecturer & Researcher

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PROFESSIONAL SUMMARY

Software Engineering lecturer and researcher with a Master's degree from Philadelphia University and a Bachelor's from Mutah University. Teaching academic experience at Jadara University and Philadelphia University. Research interests focus on requirements engineering, intelligent systems, and traffic security. Published four peer-reviewed papers in IEEE conferences and MDPI journals, including Q1 and Q2-ranked publications.

EDUCATION

Master Software Engineering

Philadelphia University, Jordan | Graduated: 2024

Bachelor of Software Engineering

Mutah University, Jordan | Graduated: 2021

PROFESSIONAL EXPERIENCE

Full-Time Lecturer

Jadara University | September 2024 – Present

- Teaching software engineering courses at the undergraduate level
- Developing course materials, assignments, and assessments

Part-Time Lecturer

Philadelphia University | 2022/2023 – First Semester

- Taught software engineering courses as adjunct faculty

RESEARCH & PUBLICATIONS

[1] Intelligent Requirements Engineering: Applying Machine Learning for Requirements Classification

14th International Conference on Information and Communication Systems (ICICS), 2023

<https://ieeexplore.ieee.org/abstract/document/10330441/>

[2] Traffic Light Control Systems: Requirements Engineering

International Journal of Network Security & Its Applications (IJNSA), Vol.16, No.1, January 2024

<https://ijcnc.com/2024/02/24/ijnsa-01-26/>

[3] Secure Context-Aware Traffic Light Scheduling System: Integrity of Vehicles' Identities

World Electric Vehicle Journal / MDPI – Q2, August 2025

https://scholar.google.com/citations?view_op=view_citation&hl=ar&user=LPdjtD4AAAAJ&citation_for_view=LPdjtD4AAAAJ:5nxA0vEk-isC

[4] Confidential Intelligent Traffic Light Control System: Prevention of Unauthorized Traceability

Big Data and Cognitive Computing / MDPI – Q1, June 2025

https://scholar.google.com/citations?view_op=view_citation&hl=ar&user=LPdjtD4AAAAJ&citation_for_view=LPdjtD4AAAAJ:0EnyYjriUFMC

TECHNICAL SKILLS & CERTIFICATIONS

- ASP.NET MVC — Web application development
- Oracle Database (OSA) — Database administration
- Python Programming — Scripting and automation
- ICDL — International Computer Driving Licence
- Data Entry — Professional data management

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