

Julie Bu Daher

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Nationalities

Lebanese, French

Languages

English, French, Arabic (native)

Research Skills

Artificial Intelligence
Data Analytics
Data mining
Semantic Web
Machine learning

Education

2016-2020	PhD in Computer Science Sequential Pattern Generalization for Mining Multi-source Data	UL, Nancy, France
2015-2016	Master II in Computer Science Advanced Information Systems and Software Engineering (MoSiG)	UGA, Grenoble, France
2012-2014	Master I in Computer Science Information technology	BAU, Beirut, Lebanon
2007-2011	Bachelor in Computer Science	BAU, Beirut, Lebanon

Professional Experiences

2023-present	Assistant Professor of Computer Science Object Oriented Programming, Algorithms, Data Warehousing, Database Systems, Theory of Computation, Semantic Web	BAU, Beirut, Lebanon
2021-2022	Post-doctoral researcher Semantic Web in Crisis Management	IRIT, Toulouse, France
2016-2020	PhD researcher Artificial intelligence, Data analytics, Data mining	LORIA, Nancy, France
(2-6)/2016	Master II internship Building and Analyzing Health Queries for Medical Information Retrieval	LIG, Grenoble, France
(6-9)/2014	Researcher in Computer Science Optimization and Scheduling of University Timetables	LCOMS, Metz, France
2011-2015	Administrative assistant Student affairs department - Faculty of Engineering	BAU, Beirut, Lebanon

Professional Certificates

(2-4)/2022	Soft skills for international success Professional communication Public speaking	CEF-AUF, Lebanon
3/2021	Leading transformations: Manage change	Macquarie University, Australia
11/2020	Introduction to Data Analytics for Business	University of Colorado Boulder, USA
12/2018	Professional oral and body communication	Lorraine university, France

Conferences, Workshops and Symposiums

2025	Journal paper in progress Julie Bu Daher, Armelle Brun: Generalized Sequential Pattern Mining for Handling Variability in Human Activity(final revision, to be submitted)
2025	Seventh conference on intelligence and fuzzy systems (INFUS2025) Semantic Association Rule Mining for Recommendations in e-Learning(paper accepted, to be published soon)
2025	IEEE Access journal Mahmoud Skafi, Manal Yunis, Ahmed Zekri and Julie Bu Daher Daher, "The Confluence of Big Data and Cloud Computing in SME Adoption Strategies," in IEEE Access, doi: 10.1109/ACCESS.2025.3543265.
2022	International conference 'ITDRR 2022' Julie Bu Daher, Tom Huygue, Patricia Stolf, Nathalie Hernandez: Inferring Evacuation Priorities in Flood Disaster Response. In 7th IFIP WG5.15 Conference on Information Technology in Disaster Risk Reduction. (ITDRR) 2022
2022	International conference 'KEOD 2022' Julie Bu Daher, Tom Huygue, Nathalie Hernandez, Patricia Stolf: Inferring New Information from a Knowledge Graph in Crisis Management: A case study. In 14th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. (KEOD) 2022 (selected for publication in the Special Issue of the Springer Nature Computer Science Journal, journal paper to be submitted)
2022	International conference 'ICKM 2022' Julie Bu Daher, Tom Huygue, Patricia Stolf, Nathalie Hernandez: An Ontology and a Reasoning Approach for Evacuation in Flood Disaster Response. In 17th International Conference on Knowledge Management (ICKM) 2022 (selected for publication in the Special Issue of the Journal of Information & Knowledge Management (IJKM), journal paper submitted)
2021	International Workshop 'MSDM' Program Committee Member-Reviewer
2020	International conference 'WI-IAT 2020' Julie Bu Daher, Armelle Brun: Handling Item Similarity in Behavioral Patterns through General Pattern Mining. In International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'20) 2020
2018-2019	First and second scientifc symposiums of 'e-FRAN' project French Ministry of National Education, Youth and Sports: The educational territories of digital innovation
2018	European conference 'LSAC 2018' Julie Bu Daher, Armelle Brun, Anne Boyer: Multi-source Relations for Contextual Data Mining in Learning Analytics. In 2nd Annual Learning & Student Analytics Conference (LSAC) 2018
2018	International symposium 'DataMod 2018' Julie Bu Daher, Armelle Brun, Anne Boyer: Multi-source Data Mining for e-Learning. In 7th International Symposium "From Data to Models and Back (DataMod)" 2018 June 25
2016	International Workshop 'e-Health 2016' Julie Budaher, Mohannad Almasri, Lorraine Goeuriot: Comparison of Several Word embedding Sources for Medical Information Retrieval. CLEF (Working Notes) 2016: 43-46
2016	International Workshop 'e-Health 2016' Guido Zuccon, João R. M. Palotti, Lorraine Goeuriot, Liadh Kelly, Mihai Lupu, Pavel Pecina, Henning Müller, Julie Budaher, Anthony Deacon: The IR Task at the CLEF eHealth Evaluation Lab 2016: User-centred Health Information Retrieval. CLEF (Working Notes) 2016: 15-27

References

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Nathalie Hernandez, Maître de conférences-HDR
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