Zhiliang (Leon) Xiang

PHD STUDENT · SCHOOL OF COMPUTER SCIENCE AND INFORMATICS

Cardiff University, Senghennydd Rd, Cardiff CF24 4AG, UK

Educatio	n		
Cardiff Univ	ersity	Cardiff, Wales, United Kingdom	
• Principal A	Based and Neural Approaches for Structured Data Cleaning dvisor: Dr Yazmín Ibáñez-García, Dr Víctor Gutiérrez-Basulto r: Prof Meghyn Bienvenu, Dr Gianluca Cima	Jan 2023 - Present	
Cardiff Univ	ersity	Cardiff, Wales, United Kingdom	
M.Sc. Advan • Dissertation	CED COMPUTER SCIENCE WITH DISTINCTION In: Neuro-symbolic approaches for Abstract and Relational Visual Reasoning Tasks r Víctor Gutiérrez-Basulto	Oct 2020 - Oct 2022	
Guangxi Un	iversity of Science and Technology	Guangxi, China	
B.Sc. IN INFORMATION AND COMPUTATION SCIENCE		Sept 2011 - Sept 2015	
 Programm 	ics: Analysis, Algebra, Discrete Math, Probability, Statistics ing: C++/Java Programming, Data Structure, DB Management on: Optimisation, Data Mining, Computational Intelligence		
Publicati	ons		
PUBLISHED			
	íctor Gutiérrez-Basulto, Zhiliang Xiang , Xiaoli Li, Ru Li, Jeff Z. Pan: Type-awa ing over Knowledge Graphs. IJCAI 2022: 3078-3084	re Embeddings for Multi-Hop	
	íctor Gutiérrez-Basulto, Zhiliang Xiang , Ru Li, Jeff Z. Pan: Transformer-based . EMNLP 2022: 5988-6001	l Entity Typing in Knowledge	
Anthony G. (Cohn, José Hernández-Orallo, Julius Sechang Mboli, Yael Moros-Daval, Zhiliang o r Categorising Al Evaluation Instruments . EBeM@IJCAI 2022	g Xiang, Lexin Zhou: A Frame-	
	líctor Gutiérrez-Basulto, Zhiliang Xiang , Ru Li, Jeff Z. Pan: HyperFormer: Er tion for Hyper-Relational Knowledge Graph Completion. CIKM 2023, abs/230		
Projects			
2023- Current	Intelligent Handling of Imperfect Data (ANR Chair in AI), With the LaBRI, Univ	ersité de Bordeaux	
2021-	Embedding Methods to Complex Logical Query Answering on Knowledge G	raph, With Uni. of Edinburgh and	
Current	Shanxi Uni.	, and the second se	
2021-2022	Declarative Entity Resolution via Answer Set Programming , With the LaBRI, U	Jniversité de Bordeaux	
2021-2022	The OECD's Artificial Intelligence and the Future of Skills (AIFS), With Uni. of	Leeds & VRAIN, UPV	
Grants_			
2022	COMSC PhD Scholarship 2022 with Oversea Student Fee Waiver (£22,700*3) + Stipend, COMSC, Cardiff University		
2022	EDBT-INTENDED School on Data and Knowledge Student Grant, ANR & Univ	ersity of	

Bordeaux

Presentations_ Spring 2023. On the Implementation of LACE Framework. INTENDED Plenary Meeting, the LaBRI at Uni. of Bordeaux. Autumn 2022. Artificial Intelligence Approaches Towards Structured Data Cleaning. Guest Tutorial, Data Science, Escuela Superior Politécnica del Litoral. Summer 2022. Type-aware Embeddings for Multi-Hop Reasoning over Knowledge Graphs. Invited talk: IJCAI-ECAI-2022 Presented At, Vienna, Austria. Teaching Experience _____ Autumn Knowledge Representation (MSc), Demonstrator Cardiff Uni. 2023 Autumn Principle of Machine Learning (MSc), Demonstrator Cardiff Uni. 2023 Outreach Development _____ **SUMMER SCHOOLS** 2022 The 5th Summer School on Argumentation, Cardiff Uni. EDBT-INTENDED Summer School, the LaBRI, Uni. of Bordeaux 2021 Reasoning Web Summer School, Online RESEARCH INTERN/PLACEMENT Oct 2021 - Dec 2022. Research Assitant, at the Centre for Artificial Intelligence, Robotics and Human-Machine Systems

(IROHMS)

PEER REVIEW

ACM Transactions on Knowledge Discovery from Data, 2023

RESEARCH GROUP MEMBERSHIPS

Cardiff KRR Research Group Cardiff NLP Research Group

Professional Experience

2018-2020 Web GIS Development Engineer , Nanning Information Centre of Natural Resources
 2017-2018 BIM System Product Manager, Shanghai Tongzhu Inc. with Tongji University