

Researcher(Computer Science)

Ziwei XU

Date of Birth: 13/06/1995

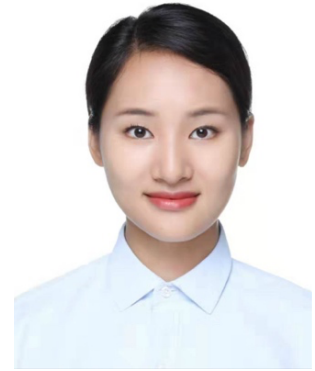
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Nationality: China

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PROFILE

Highly self-motivated researcher with demonstrated research expertise on **Deep Learning, Semantic Web, Relation Extraction, Entity Linking and Knowledge Representation.**

* Title of PhD. Thesis: Enhancing LDA for Ontology Learning

* Programming skills: Python, R, Java, c++

EDUCATION

◆ **University of Nantes, France**
Ph.D in Computer Science, June 2021
M.S. 2017 (Academic ranking: 1/18)

◆ **University of Tasmania, Australia**
◆ **Shanghai Ocean University, China**
Dual Bachelor (B.BA & B. Info) 2015

◆ **Shanghai Maritime University, China**
M.Eng. in Computer Science, 2018

RESEARCH & TEACHING EXPERIMENT

[June 2022 - Now]
National Institute of Advanced Industrial Science and Technology (AIST) 産総研, Japan
Post-doc Researcher in Causality relations discovery in financial domain

[Mar 2019 – Aug 2019]
National Institute of Informatics, Japan
PhD Internship in Supportive knowledge embedding for topic extraction; ontology learning

[June 2021 – Now]
Google Summer of Code at DBpedia, Remote
Co-mentor @ 2022,2023; Contributor @ 2021

[Apr 2017 – Aug 2017]
Research Team RIO, LS2N, France
Master Internship in Algorithm optimization from Wimax to LTE; adaptation in NS3 simulator

[Dec 2021 – March 2022]
National Institute of Informatics, Japan
Invited Researcher in Causality relations discovery in financial domain

[Sep 2015 – August 2016]
Underwater Acoustic Sensor Network Laboratory, SHMU, China
Bachelor Internship in MAC protocol optimization for underwater sensor networks

[Jan 2020]
Polytech Nantes, France
Teaching assistant in Semantic Knowledge Representation

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International Conferences:

- [1] Xu Z., Harzallah M., Guillet F. Comparing of Term Clustering Frameworks for Modular Ontology Learning. **KEOD 2018**, Seville, Spain. pp.128-135.
- [2] Xu Z., Harzallah M., Guillet F., Ichise R. Modular Ontology Learning with Topic Modelling over Core Ontology. **KES 2019**, BUDAPEST, Hungary.
- [3] Huang, H., Harzallah, M., Guillet, F., & Xu, Z. Core-Concept-Seeded LDA for Ontology Learning. *Procedia Computer Science*, **KES 2021**, 192, 222-231.
- [4] Xu, Z., Nararatwong, R., Kertkeidkachorn, N., & Ichise, R. iLab at FinCausal 2022: Enhancing Causality Detection with an External Cause-Effect Knowledge Graph. In *Proceedings of the 4th Financial Narrative Processing Workshop@ LREC2022* (pp. 124-127).

Book Chapter / Journal:

- [1] Xu, Z., Harzallah, M., Guillet, F., & Ichise, R. (2018, September). Towards a Term Framework for Modular Ontology Learning. In *International Joint Conference on Knowledge Discovery, Knowledge Engineering, and Knowledge Management* (pp. 178-201). Springer, Cham.
- [2] XU Z., Liu G.. LTE Uplink Scheduling Algorithm based on QoS forwards Compatibility to WiMax [J]. *Computer engineering* 2019, 45(4), :93-99.