Yun Li

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Biography

I am currently a third-year Ph.D. candidate at School of Computer Science and Engineering, University of New South Wales (UNSW), Australia. I am currently supervised by Prof. Lina Yao. Prior to that, I received my Master's and Bachelor's degree (in 2019 and 2016 respectively) from Nanjing University (NJU), China. My research interests lay in Data mining, Deep Learning, and Reinforcement Learning with focusing applications on Transfer Learning, Human Genetic Analytics, and Healthcare improving.

EDUCATION

PhD in Computer Science and Engineering   2019.10 - now
Supervisor: Lina Yao, Data Dynamics Group, UNSW.

Master in Computer Science   2016.9 - 2019.6
Supervisor: Chongjun Wang, Intelligent Information Processing Group, NJU.

Bachelor in Computer Science Major with Finance Minor   2012.9 - 2016.6
Department of Computer Science and Technology, NJU.

PUBLICATION

Accepted Paper (* indicates equal contributions):

[1] Xiaocong Chen, **Yun Li**, Lina Yao, Ehsan Adeli, Yu Zhang. " Generative Adversarial U-Net for Domain-free Medical Image Augmentation "[J], Submitted to Pattern Recognition Letters (SJR Q1)

[2] **Yun Li**, Zhe Liu*, Lina Yao, Xianzhi Wang, Can Wang. " Attribute-Modulated Generative Meta Learning for Zero-Shot Classification and Generalized Zero-shot Learning " [J] IEEE Transactions on Multimedia 2021 (to appear) (SJR Q1)

[3] **Yun Li**, Zhe Liu*, Lina Yao, Xianzhi Wang, Julian McAuley, Xiaojun Chang. " ERPCNet: Entropy-guided Reinforced Partial Convolutional Network for Zero-Shot Learning " [J] IEEE Transactions on Circuits and Systems for Video Technology (to appear) (SJR Q1)

[4]Zhe Liu, Xianzhi Wang, **Yun Li**, Lina Yao, Lei Bai, Ee-Peng Lim. "Face to Purchase: Predicting Consumer Choices with Structured Facial and Behavioral Traits Embedding." Knowledge-based System (KBSYST, 2021) (Accepted to publish) (IF=8.038, JCR Q1, SJR Q1)

[5] Zhe Liu, **Yun Li**, Lina Yao, Xianzhi Wang, Feiping Nie. " Agglomerative Neural Networks for Multi-view Clustering "[J], **TNNLS**, 2021. (SJR Q1)

[6] Zhe Liu*, **Yun Li***, Lina Yao, Xianzhi Wang, Guodong Long. " Task Aligned Generative Meta-learning for Zero-shot Learning "[C], AAAI, 2021. (CORE Rank A*)

[7] **Yun Li**, Zhe Liu, Lina Yao, Zihuai He. " Non-local Self-attentive Autoencoder for Genetic Functionality Prediction "[C], CIKM, 2020. (CORE Rank A)

[8] **Yun Li**, Yixiang Fang, Reynold Cheng, Wenjie Zhang. " Spatial pattern matching: A new direction for finding spatial objects "[J], SIGSPATIAL Special, 2019, 11(1):

3-12.

[9] Yixiang Fang, **Yun Li**, Reynold Cheng, Nikos Mamoulis, Gao Cong. " Evaluating Pattern Matching Queries for Spatial Databases "[J], The VLDB Journal, 2019, 28(5): 649-673 (SJR Q1)

[10] Yixiang Fang, Reynold Cheng, Gao Cong, Nikos Mamoulis, **Yun Li**. " On Spatial Pattern Matching "[C], ICDE, 2018. [online demo] (CORE Rank A*)

[11] Hengyang Lu, **Yun Li**, Chi Tang, Chongjun Wang, Junyuan Xie. " Constructing Pseudo Documents with Semantic Similarity for Short Text Topic Discovery "[C], ICONIP, 2018. (CORE Rank A)

[12] Hengyang Lu, Gaojian Ge, **Yun Li**, Chongjun Wang, Junyuan Xie. " Exploiting Global Semantic Similarity Biterms for Short-text Topic Discovery "[C], ICTAI, 2018. (Core Rank B)

[13] Hengyang Lu, Ning Kang, **Yun Li,** Qianyi Zhan, Junyuan Xie, Chongjun Wang. " Utilizing Recurrent Neural Network for Topic Discovery in Short Text Scenarios "[J], Intelligent Data Analysis, 2019, 23(2): 259-277. (SJR Q3)

[14] Yankai Chen, Yixiang Fang, Reynold Cheng, **Yun Li**, Xiaojun Chen, Jie Zhang. " Exploring Communities in Large Profiled Graphs "[J], TKDE, 2018. (SJR Q1)

Under Review (* indicates equal contributions or corresponding author):

[15] **Yun Li**, Zhe Liu, Lina Yao, Xiaojun Chang, Julian McAuley. "Diversity-boosted Generalization-Specialization Balancing for Zero-shot Learning "[j], Submitted to TMM (SJR Q1)

[16] Zhe Liu*, **Yun Li***, Lina Yao, Sam Dixon, Julian McAuley. " Rethink, Revisit, Revise: Spiral Reinforced Self-Revised Learning for Zero-Shot Learning "[J], Submitted to TNNLS (SJR Q1)

[17] **Yun Li**, Zhe Liu, Lina Yao, Molly Lucas, Jessica J.M.Monaghan, Yu Zhang. " Side-aware Meta Learning for Cross-Dataset Listener Diagnosis with Subjective Tinnitus "[J], Submitted to JNE (Q1)

[18] Zhe Liu, **Yun Li**, Lina Yao, Jessica J.M.Monaghan, David McAlpine. " Disentangled and Side-aware Unsupervised Domain Adaptation for Cross-dataset Subjective Tinnitus Diagnosis "[J], Submitted to JBHI (Q1)

Professional Services	Reviewer, Association for the Advancement of Artificial Intelligence (AAAI) 2021. External reviewer, ACM Multimedia(MM) 2021. Reviewer, ACM Transactions on Sensor Networks (TOSN),2021. External reviewer, Association for the Advancement of Artificial Intelligence (AAAI) 2021. External reviewer, Conference on Information and Knowledge Management (CIKM) 2020. External reviewer, Knowledge Discovery in Databases (KDD) 2020. External reviewer, IEEE Transactions on Knowledge and Data Engineering (TKDE) 2019.
Selected HONORS	**Google PhD Fellowship in Machine Learning, 2021** (Only **5** award winners in Australia) CIKM student travel grant, 2020

UNSW Top-up Scholarship, 2020
University International Postgraduate Award (UIPA), from 2019 to 2023
First Prize of Academic Scholarships, Nanjing university, from 2016 to 2019
Second Prize of People's Scholarship Award, Nanjing University, 2015

Teaching Assistant Introduction to Java Programming, for undergraduate students. Fall, 2016.