YU-JIE ZHANG

Department of Computer Science and Technology, Nanjing University

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EDUCATION

Nanjing University   *Nanjing, China*
Msc in Machine Learning   *September 2018 - Present*
Department of Computer Science and Technology
Supervisor: Prof. Zhi-Hua Zhou

Tongji University   *Shanghai, China*
Bachelor in Electronic Science and Technology   *September 2014 - June 2018*
College of Electronic and Information Engineering
GPA: 4.91/5.00, ranking 1/32

PUBLICATIONS

Conference Publications

[C1] **Yu-Jie Zhang**, Peng Zhao and Zhi-Hua Zhou. A Simple Online Algorithm for Competing with Dynamic Comparators. In: **UAI'20**, Toronto, Canada, 2020. Page 390-399.

[C2] **Yu-Jie Zhang**, Peng Zhao, Lanjihong Ma and Zhi-Hua Zhou. An Unbiased Risk Estimator for Learning with Augmented Classes. In: **NeurIPS'20**, to appear, 2020.

[C3] Peng Zhao, **Yu-Jie Zhang**, Lijun Zhang, and Zhi-Hua Zhou. Dynamic Regret of Convex and Smooth Functions. In: **NeurIPS'20**, to appear, 2020.

Manuscripts

[M1] **Yu-Jie Zhang**, Yu-Hu Yan, Peng Zhao and Zhi-Hua Zhou. Towards Enabling Learnware to Handle Unseen Jobs. *In submission to AAAI'20.*

[M2] Peng Zhao, **Yu-Jie Zhang** and Zhi-Hua Zhou. Exploratory Machine Learning with Unknown Unknowns. *In submission to AAAI'20.*

RESEARCH INTERESTS

My research focuses on the topic MACHINE LEARNING IN OPEN AND DYNAMIC ENVIRONMENTS including,

[1] **Online Learning in Dynamic Environments** [C1, C3]: how to predict sequentially in the *non-stationary* environments, where the best decision shifts over time.

[2] **Supervised Learning in Open Environments** [C2, M1, M2]: how to train models when *open categories*, *evolvable features* and *changing distributions* emerge in the open world.

Meanwhile, I always hope to design algorithms with clear theoretical understandings.

ACADEMIC SERVICE

[1] Reviewer for Conferences: ECAI'20, IJCAI'21.

HONORS AND AWARDS

[1] National Graduate Scholarship for Master Student, 2020

[2] Excellent Graduate of Tongji University, Shanghai, 2018

[3] Shanghai Undergraduate Scholarship, Shanghai, 2017, 2016

[4] The First Prize of Excellent Student in Tongji University, 2015