

# YU-JIE ZHANG

Department of Computer Science and Technology, Nanjing University

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## EDUCATION

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### Nanjing University

Msc in Machine Learning

Department of Computer Science and Technology

Supervisor: Prof. Zhi-Hua Zhou

*Nanjing, China*

*September 2018 - Present*

### Tongji University

Bachelor in Electronic Science and Technology

College of Electronic and Information Engineering

GPA: 4.92/5.00, ranking 1/32

*Shanghai, China*

*September 2014 - June 2018*

## PUBLICATIONS

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### Conference Publications

- [C1] **Yu-Jie Zhang**, Peng Zhao and Zhi-Hua Zhou. A Simple Online Algorithm for Competing with Dynamic Comparators. **UAI'20**, online, 2020, pp. 390-399.
- [C2] **Yu-Jie Zhang**, Peng Zhao, Lanjihong Ma and Zhi-Hua Zhou. An Unbiased Risk Estimator for Learning with Augmented Classes. **NeurIPS'20**, online, 2020, pp. 10247-10258.
- [C3] Peng Zhao, **Yu-Jie Zhang**, Lijun Zhang, and Zhi-Hua Zhou. Dynamic Regret of Convex and Smooth Functions. **NeurIPS'20**, online, 2020, pp. 12510-12520.
- [C4] **Yu-Jie Zhang**, Yu-Hu Yan, Peng Zhao and Zhi-Hua Zhou. Towards Enabling Learnware to Handle Unseen Jobs. **AAAI'21**, online, 2021, to appear.
- [C5] Peng Zhao, **Yu-Jie Zhang**, and Zhi-Hua Zhou. Exploratory Machine Learning with Unknown Unknowns. **AAAI'21**, online, 2021, to appear.

## RESEARCH INTERESTS

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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, C4, C5]: how to train models when open categories, latent features and changing distributions emerge in the *open world*.

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

## ACADEMIC SERVICE

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

## HONORS AND AWARDS

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- [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