Yachen Kang

PH.D. STUDENT IN COMPUTER SCIENCE

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Education

Zhejiang University & Westlake University

Hangzhou, China

JOINT PH.D. STUDENT IN COMPUTER SCIENCE

Sept. 2018 - Present

- Advisor: Donglin Wang
- Affiliated with Machine Intelligence Laboratory (MiLAB) in Westlake University

Nanjing University

Nanjing, China

B.E. IN BIOMEDICAL ENGINEERING

Sept. 2014 - Aug. 2018

- GPA: 3.93

Publications

Preprint

- **Yachen Kang**, Jinxin Liu, Xin Cao and Donglin Wang, "Off-Dynamics Inverse Reinforcement Learning from Hetero-Domain". arXiv 2021.

Conference

- Jinxin Liu, Hao Shen, Donglin Wang, **Yachen Kang**, Qiangxing Tian, "Unsupervised Domain Adaptation with Dynamics-Aware Rewards in Reinforcement Learning". In Proceedings of the Thirty-fifth Conference on Neural Information Processing Systems (**NeurIPS 2021**).
- Siteng Huang, Min Zhang, **Yachen Kang**, Donglin Wang, "Attributes-Guided and Pure-Visual Attention Alignment for Few-Shot Recognition". In Proceedings of the 35th AAAI Conference on Artificial Intelligence (**AAAI 2021**).
- **Yachen Kang**, Sibo Gai, Feng Zhao, Donglin Wang and Ao Tang, "Deep Transfer Collaborative Filtering with Geometric Structure Preservation for Cross-Domain Recommendation," In Proceedings of the 2020 International Joint Conference on Neural Networks (**IJCNN 2020**).
- Qiangxing Tian, Guanchu Wang, Jinxin Liu, Donglin Wang, **Yachen Kang**, "Independent Skill Transfer for Deep Reinforcement Learning". In Proceedings of the 2020 International Joint Conferences on Artificial Intelligence (**IJCAI 2020**).
- **Yachen Kang**, Sibo Gai, Feng Zhao, Donglin Wang, Yi Luo, "Cross-domain deep collaborative filtering for recommendation". In Proceedings of the 2019 International Conference on Data Mining Workshops (**ICDMW 2019**).
- Sibo Gai, Feng Zhao, **Yachen Kang**, Zhengyu Chen, Donglin Wang, Ao Tang, "Deep transfer collaborative filtering for recommender systems". In Proceedings of the Pacific Rim International Conference on Artificial Intelligence (**PRICAI 2020**).

Skills

Programming Languages	Python(Expert), LaTeX(Intermediate)
Frameworks	PyTorch
Tools	Git, VSCode
Languages	Chinese (native), English (Spoken and written)

Research Interests

Committed to giving robots the ability to understand the task and learn from expert's demonstration, so that they can complete new tasks, acquire new skills or adapt to new environments rapidly through learning algorithms, with fewer interaction and getting rid of the reward engineering.

Currently, my areas of interest include *imitation-learning*, *reinforcement learning*, and *transfer learning* tasks. Also interested in natural language processing, network architecture search, and biologically plausible deep learning.