

Zhi-Hong Deng

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My current research interest is mainly on using deep learning techniques to solve recommendation and other graph-based problems. I am also highly interested in multi-agent reinforcement learning, GANs and their applications on various data mining problems.

PUBLICATION

DeepCF: A Unified Framework of Representation Learning and Matching Function Learning in Recommender System.

[\[paper\]](#)[\[code\]](#)

Zhi-Hong Deng, Ling Huang, Chang-Dong Wang, et al.

AAAI, 2019. **Oral***

Serendipitous recommendation in e-commerce using innovator-based collaborative filtering. [\[paper\]](#)

Chang-Dong Wang, Zhi-Hong Deng, Jian-Huang Lai, et al.

IEEE Transactions on Cybernetics (**SCI Q1**), 2018, 49(7): 2678-2692.

EDUCATION

Sun Yat-sen University, Guangzhou, China — M.Sc

School of Data and Computer Science Sep. 2018 – Now

Awards: **National first-class scholarship** Rank: **1**/172

Advisor: Chang-Dong Wang

Sun Yat-sen University, Guangzhou, China — B.Sc

School of Data and Computer Science Sep. 2013 – Jun. 2017

Advisor: Chang-Dong Wang

RESEARCH EXPERIENCE

I have **four years** of research experience on recommendation and other data mining problems since my junior year. When I was still an undergraduate, I have attended the Undergraduate Research Program in All Minable Group, supervised by Prof. Chang-Dong Wang [\[homepage\]](#). Our group mainly focuses on data mining problems including recommendation, network analysis, and clustering.

SELF EVALUATION

I am a self-motivated and persistent researcher and always curious about the latest techniques. I have a passion for doing research and wish one day my work can make a positive difference in the world.