

Zhi-Hong Deng

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My current research interest is mainly on solving real-world challenges of Deep Reinforcement Learning (DRL), especially offline reinforcement learning. I am also highly interested in the application of DRL in various areas, e.g., recommender systems and dialog systems.

EDUCATION

Southern University of Science and Technology, Shenzhen, China — Visiting Scholar

Department of Computer Science and Engineering Sep. 2020 – Now

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

School of Data and Computer Science Sep. 2018 – 2020

Awards: **First-class Scholarship + National 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 GPA: 3.5/5

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.

RESEARCH EXPERIENCE

Before joining SUSTech, I have four years of research experience on recommendation and other data mining problems. I have attended the Undergraduate Research Program in All Movable Group, supervised by Prof. Chang-Dong Wang. The 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.