

Wentao Ning

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EDUCATION

The University of Hong Kong (HKU)

Hong Kong SAR

Ph.D. in Computer Science

2020–2024 (Expected)

- HKU-SUSTech Joint PhD Program. Supervisors: Reynold Cheng (HKU), Bo Tang (SUSTech)
- Research Interests: Recommender System, Graph Neural Networks, Data Mining

Southern University of Science and Technology (SUSTech)

Shenzhen, China

B.S. in Computer Science, GPA: 3.73/4.00

2016–2020

- Thesis: “Public Transportation Scheduling Evaluation: A Data-Driven Approach”

INTERNSHIP

TCL Corporate Research(HK) Co., Ltd

Hong Kong, China

Research Intern

Jun. - Aug., 2021

- Proposed an automatic effective meta-path searching framework for existing meta-path-based recommenders.
- Proposed a GNN-based method for recommendation by using meta-paths.

Huawei Technologies Co., Ltd.

Dongguan, China

Software Engineer Intern

Jul. - Aug., 2019

- Mainly engaged in monitoring system development.
- Completed 17 instructing documents, 3 demo (database migration tool, monitoring interface customization, key data query and alarm service) and 5 improvement suggestions.

PROJECTS

- **Reinforced Meta-path Selection for Recommendation on Heterogeneous Information Networks**

- **This work was submitted to WWW 2022.**
- We propose a general meta-path selection framework *RMS*, which can be plugged into meta-path-based recommendation models.
- Equipped with *RMS*, we develop a new meta-path-based recommendation method *RMS-Rec* and design training strategies to fully explore the potential of meta-paths for recommendation tasks.

PUBLICATIONS

1. **Wentao Ning**, Xiao Yan, and Bo Tang. “**Towards Efficient MaxBRNN Computation for Streaming Updates.**” 2021 IEEE 37th International Conference on Data Engineering (ICDE), 2021, pp. 2297-2302. (CCF-A, poster)
2. **Wentao Ning**, Qiandong Tang, Yi Zhao, Chuan Yang, Xiaofeng Wang, Teng Wang, Haotian Liu, Chaozu Zhang, Zhiyuan Zhou, Qiaomu Shen, and Bo Tang. “**CheetahVIS: a visual analytical system for large urban bus data.**” Proc. VLDB Endow. 13, 12 (August 2020), 2805–2808. (CCF-A, demo)

SCHOLARSHIPS AND AWARDS

- | | |
|--|-----------|
| • Postgraduate Scholarship | 2020–2024 |
| • Outstanding Graduate in Department of Computer Science and Engineering | 2020 |
| • Outstanding Graduate in Shuli College | 2020 |
| • Outstanding UG Teaching Assistant | 2019 |
| • Outstanding Students Scholarship | 2017–2019 |
| • Outstanding Freshmen Scholarship | 2016 |

TEACHING

- | | |
|---|-------------|
| • Teaching Assistant at The University of Hong Kong
<i>The Age of Big Data (CCST9047)</i> | Spring 2021 |
| • Teaching Assistant at Southern University of Science and technology
<i>Operating System (CS302)</i> | Spring 2020 |
| • Teaching Assistant at Southern University of Science and technology
<i>Object Oriented Analysis and Design (CS309)</i> | Fall 2019 |
| • Teaching Assistant at Southern University of Science and technology
<i>Data Structure and Algorithm Analysis (B) (CS203B)</i> | Fall 2018 |

ACADEMIC SERVICE

- **Reviewer / External Reviewer**
 - **AAAI 2022**: AAAI Conference on Artificial Intelligence
 - **SIGKDD 2021**: Conference on Knowledge Discovery and Data Mining
 - **CIKM 2021**: ACM International Conference on Information and Knowledge Management
 - **TKDE 2020**: IEEE Transactions on Knowledge and Data Engineering

SKILLS

- **Programming**: Python, Java, C++, SQL
- **Tools**: Pytorch, Numpy, Jupyter

LANGUAGES

- **Mandarin**: Native, **Cantonese**: Proficient
- **English**: Fluent (**TOEFL**: 90)