

Le Yu

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EDUCATION

- Beihang University Sept. 2019 - now.
Ph.D. (fifth-year, will receive the degree in June 2024), School of Computer Science and Engineering
Research Interests: (Large) Language Models, Graph Neural Networks, Recommender Systems, etc.
Supervisor: Prof. Weifeng Lv, Vice President of BUAA, Deputy Director of State Key Laboratory of Software Development Environment, Vice President and Secretary-General of the China Software Association
- Beihang University Sept. 2015 - Jun. 2019
B.S., School of Computer Science and Engineering

PUBLICATIONS

- Papers on *(Large) Language Models*
 - **Le Yu**, Bowen Yu, Haiyang Yu, Fei Huang, Yongbin Li. Extend Model Merging from Fine-Tuned to Pre-Trained Large Language Models via Weight Disentanglement. **arXiv** 2024.
 - **Le Yu**, Bowen Yu, Haiyang Yu, Fei Huang, Yongbin Li. Language Models are Super Mario: Absorbing Abilities from Homologous Models as a Free Lunch. **ICML** 2024.
 - Tao Zou*, **Le Yu***, Yifei Huang, Leilei Sun, Bowen Du. Pretraining Language Models with Text-Attributed Heterogeneous Graphs. **EMNLP** 2023 (Findings).
- Papers on *Graph Neural Networks*
 - **Le Yu**, Leilei Sun, Bowen Du, Weifeng Lv. Towards Better Dynamic Graph Learning: New Architecture and Unified Library. **NeurIPS** 2023 (Poster).
 - **Le Yu**. An Empirical Evaluation of Temporal Graph Benchmark. **arXiv** 2023.
 - **Le Yu**, Leilei Sun, Bowen Du, Tongyu Zhu, Weifeng Lv, Label-Enhanced Graph Neural Network for Semi-supervised Node Classification. **TKDE** (2023).
 - **Le Yu**, Leilei Sun, Bowen Du, Chuanren Liu, Weifeng Lv, Hui Xiong, Heterogeneous Graph Representation Learning with Relation Awareness. **TKDE** (2023).
- Papers on *Recommender Systems*
 - **Le Yu**, Zihang Liu, Leilei Sun, Bowen Du, Chuanren Liu, Weifeng Lv, Continuous-Time User Preference Modelling for Temporal Sets Prediction. **TKDE** (2024).
 - **Le Yu**, Zihang Liu, Tongyu Zhu, Leilei Sun, Bowen Du, Weifeng Lv, Predicting Temporal Sets with Simplified Fully Connected Networks. **AAAI** 2023 (Oral).
 - **Le Yu**, Guanghui Wu, Leilei Sun, Bowen Du, Weifeng Lv, Element-guided Temporal Graph Representation Learning for Temporal Sets Prediction. **WWW** 2022.
 - **Le Yu**, Leilei Sun, Bowen Du, Chuanren Liu, Hui Xiong, Weifeng Lv, Predicting Temporal Sets with Deep Neural Networks. **KDD** 2020.
 - Nannan Shi, **Le Yu**, Leilei Sun, Lihua Wang, Chunming Lin, Ruixing Zhang, Deep Heterogeneous Network for

Temporal Set Prediction. **Knowl. Based Syst.** (2021).

■ Papers on *GNN-based Applications*

- **Le Yu**, Bowen Du, Xiao Hu, Leilei Sun, Liangzhe Han, Weifeng Lv, Deep Spatio-temporal Graph Convolutional Network for Traffic Accident Prediction. **Neurocomputing** (2021).
- Tao Zou, **Le Yu**, Leilei Sun, Bowen Du, Deqing Wang, Fuzhen Zhuang, Event-based Dynamic Graph Representation Learning for Patent Application Trend Prediction. **TKDE** (2024).
- Tao Zou, **Le Yu**, Junchen Ye, Leilei Sun, Bowen Du, Deqing Wang, Adaptive Taxonomy Learning and Historical Patterns Modelling for Patent Classification. **TOIS** (2024).
- Zihang Liu, **Le Yu**, Weimiao Li, Tongyu Zhu, Leilei Sun, Multi-mode Spatial-Temporal Data Modeling with Fully Connected Networks. **KSEM** 2024.
- Xiaodong Lu, Shuo Ji, **Le Yu**, Leilei Sun, Bowen Du, Tongyu Zhu, Continuous-Time Graph Learning for Cascade Popularity Prediction. **IJCAI** 2023.
- Xuxiang Ta, Zihan Liu, Xiao Hu, **Le Yu**, Leilei Sun, Bowen Du, Adaptive Spatio-temporal Graph Neural Network for Traffic Forecasting. **Knowl. Based Syst.** (2022).

PROJECTS

- Data Analysis and Mining for Underground Infrastructure
(**National Key R&D Program**) Jun. 2019- Jun. 2022
Core Personnel, Responsible for project initiation, research, and completion
- Basic Theory and Key Technologies of Intelligent Transportation with Big Data
(**National Natural Science Foundation of China Joint Fund Project**) Jan. 2019- Dec. 2022
Project Participant, Responsible for designing traffic-related AI algorithms

INVITED TALKS

- Predicting Temporal Sets with Deep Neural Networks
— The 18th China Symposium on Machine Learning and Applications (MLA'20) Nov. 8th, 2020

HONORS AWARDED

- 2020 & 2023 **National Scholarship for Graduate Students**, Beihang University
- 2023 **Huawei Scholarship**, Beihang University
- 2023 **Guorui Scholarship**, Beihang University
- 2019 **Graduate Freshman Scholarship**, Beihang University
- **Merit Student & Outstanding Graduate Student** (2020, 2022, 2023), Beihang University

PROFESSIONAL SERVICES

- **PC Member (or Reviewer)**
AAAI 2023, 2024; LOG 2022, 2023; ACM TOIS; ACM TKDD; IEEE TKDE; IEEE TNNLS; Neural Networks
- **Assistant PC Member (or Reviewer)**

SIGIR 2020, 2021, 2022, 2023; KDD 2020, 2021, 2022, 2023; AAAI 2020, 2021, 2022; IJCAI 2021, 2022, 2023; CIKM 2020, 2021; ICDM 2021; WSDM 2021, 2022; IEEE TITS; ACM TIST; Neurocomputing; Knowledge-Based Systems

EXPERIENCES

- Research Intern, Tongyi Laboratory, Alibaba Group Jun. 2023 - now.