Le Yu

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EDUCATION

- Beihang University   Sept. 2019 - now.

Research Interests: (Spatio-Temporal) Graph Neural Networks, Language Models, Recommender Systems, etc.

Ph.D. student, GPA: 3.72/4.00

School of Computer Science and Engineering

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., GPA: 3.64/4.00

The School of Computer Science and Engineering

PUBLICATIONS

- Papers on *Language Models*

• **Le Yu**, Bowen Yu, Haiyang Yu, Fei Huang, Yongbin Li. Language Models are Super Mario: Absorbing Abilities from Homologous Models as a Free Lunch. arXiv 2023.

• Tao Zou*, **Le Yu***, Yifei Huang, Leilei Sun, Bowen Du. Pretraining Language Models with Text-Attributed Heterogeneous Graphs. **EMNLP** 2023 (Findings).

- Papers on (*Spatio-Temporal) GNNs*

• **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** (2022).

• **Le Yu**, Leilei Sun, Bowen Du, Chuanren Liu, Weifeng Lv, Hui Xiong, Heterogeneous Graph Representation Learning with Relation Awareness. **TKDE** (2022).

• **Le Yu**, Leilei Sun, Bowen Du, Chuanren Liu, Weifeng Lv, Hui Xiong. Hybrid Micro/Macro Level Convolution for Heterogeneous Graph Learning. arXiv 2020.

- Papers on *Recommender Systems*

• **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**, Zihang Liu, Leilei Sun, Bowen Du, Chuanren Liu, Weifeng Lv, Continuous-Time User Preference Modelling for Temporal Sets Prediction. **TKDE** (2023).

• **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 (*Spatio-Temporal) GNNs-based Applications*

• Zihang Liu, **Le Yu**, Tongyu Zhu, Leiei Sun. A Simple Framework for Multi-mode Spatial-Temporal Data Modeling. arXiv 2023.

• **Le Yu**, Bowen Du, Xiao Hu, Leilei Sun, Liangzhe Han, Weifeng Lv, Deep Spatio-temporal Graph Convolutional Network for Traffic Accident Prediction. **Neurocomputing** (2021).

• 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).

• Tao Zou, **Le Yu**, Leilei Sun, Bowen Du, Deqing Wang, Fuzhen Zhuang, Event-based Dynamic Graph Representation Learning for Patent Application Trend Prediction. **TKDE** (2023).

• Tao Zou, **Le Yu**, Leilei Sun, Bowen Du, Deqing Wang, Fuzhen Zhuang. Adaptive Taxonomy Learning and Historical Patterns Modelling for Patent Classification. arXiv 2023.

• Xiaodong Lu, Shuo Ji, **Le Yu**, Leilei Sun, Bowen Du, Tongyu Zhu, Continuous-Time Graph Learning for Cascade Popularity Prediction. **IJCAI** 2023.

PROJECTS

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

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 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 TKDE; IEEE TITS; ACM TIST; Neurocomputing; Knowledge-Based Systems

EXPERIENCES

- Research Intern, DAMO Academy, Alibaba Group   Jun. 2023 - now.