

# Le Yu

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**GitHub:** <https://github.com/yule-BUAA>



## EDUCATION

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- Beihang University Sept. 2019 - now.  
Ph.D. (fifth-year), School of Computer Science and Engineering  
**Research Interests:** (Spatio-Temporal) Graph Neural Networks, Language Models, 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

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- 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).
- 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*

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

## PROJECTS

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- 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

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

## HONORS AWARDED

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- 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

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- **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

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