

# Xovee Xu

School of Computer Science and Engineering  
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## Education

**University of Electronic Science and Technology of China (UESTC), Chengdu, China**  
Ph.D. Candidate, Computer Science (expc.) 2025  
M.S., Software Engineering 2021  
B.S., Software Engineering 2018

## Affiliations

Intelligent Computing and Data Mining Lab, UESTC, Chengdu, China 2018-  
Center for Future Media, UESTC, Chengdu, China 2021-  
Kash Institute of Electronics and Information Industry, Kashgar, China 2021-

## Distinctions

Young Elite Scientists Sponsorship Program for Doctoral Students, CAST 2025  
Outstanding Graduate of Sichuan Province, China 2025  
Best Paper Candidate, IEEE ICME 2024 2024  
Outstanding Master's Thesis, UESTC 2021

## Area of Interests

Social network analysis & web mining  
Multimodal & spatio-temporal data learning  
Human-centered data mining & human-computer interaction

## Academic Services

### Conference Program Committee Member & Reviewer

ACM KDD 2023, 2024, 2025  
IEEE ICASSP 2024, 2025  
IEEE ICME 2024, 2025  
ACM CIKM 2023, 2024  
IJCNN 2025  
TheWebConf 2025  
SIAM SDM 2024

## Peer Review

20 Selected Venues	Times
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)	×15
ACM International Conference on Information and Knowledge Management (CIKM)	×13
IEEE International Conference on Multimedia and Expo (ICME)	×10
Expert Systems With Applications	×9
Applied Intelligence	×7
IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	×7
IEEE Transactions on Knowledge and Data Engineering (TKDE)	×7
The Web Conference	×7
IEEE International Conference on Data Engineering (ICDE)	×6
ACM Transactions on Web	×5
IEEE Transactions on Neural Networks and Learning Systems (TNNLS)	×5
ACM International Conference on Multimedia	×4
IEEE Internet of Things Journal	×4
Conference on Neural Information Processing Systems (NeurIPS)	×3
IEEE Transactions on Big Data	×3
International Joint Conference on Neural Networks (IJCNN)	×3
SIAM International Conference on Data Mining (SDM)	×3
AAAI Conference on Artificial Intelligence	×2
Knowledge and Information Systems	×2
Knowledge-Based Systems	×2
	<b>Above = 117</b>
	<b>Total = 159</b>

## Volunteer Activities

Artifact Badging Committee Member, The Web Conference, Singapore	2024
Student Volunteer, ACM MM, Chengdu, China	2021
Student Volunteer, SIGIR, Online Conference	2021
Student Volunteer, ICTIR, Online Conference	2021

## Professional Memberships

- ACM: Association for Computing Machinery  
Student Member (2020)
- CCF: China Computer Federation  
Student Member (2021)
- IEEE: Institute of Electrical and Electronics Engineers  
Graduate Student Member (2020)

## Publications

<https://www.xoveexu.com/pub>

<https://www.xoveexu.com/stats>

† Equal Contribution

## Refereed Journal & Conference Articles

1. Zhangtao Cheng, Jienan Zhang, Xovee Xu, Wenxin Tai, Fan Zhou\*, Goce Trajcevski, and Ting Zhong. 2025. Information Diffusion Prediction via Meta-Knowledge Learners. *Information Sciences* 707, Article 122034 (July 2025), 20 pages. doi:10.1016/j.ins.2025.122034
  2. Jian Lang, Rongpei Hong, Jin Xu, Yili Li, Xovee Xu, and Fan Zhou. 2025. Biting Off More Than You Can Detect: Retrieval-Augmented Multimodal Experts for Short Video Hate Detection. In *The Web Conference*, Apr 28 – May 2, 2025, Sydney, Australia. Accepted.
  3. Xinglin Lian, Chengtai Cao, Yan Liu, Xovee Xu, Yu Zheng, and Fan Zhou. 2025. Facing Anomalies Head-On: Network Traffic Anomaly Detection via Uncertainty-Inspired Inter-Sample Differences. In *The Web Conference*, Apr 28 – May 2, 2025, Sydney, Australia. Accepted.
  4. Jiayang Li<sup>†</sup>, Xovee Xu<sup>†</sup>, Yili Li, Ting Zhong, Kunpeng Zhang, and Fan Zhou. 2025. Commonality Augmented Disentanglement for Multimodal Crowdfunding Success Prediction. In *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP '25)*, Apr 6–11, 2025, Hyderabad, India. Accepted.
  5. Xovee Xu, Yifan Zhang, Fan Zhou, and Jingkuan Song. 2025. Improving Social Media Popularity Prediction via Selective Retrieval Knowledge Augmentation. In *AAAI Conference on Artificial Intelligence (AAAI '25)*, Feb 25 – Mar 4, 2025, Philadelphia, USA. Accepted.
  6. Leyuan Liu, Zhangtao Cheng, Xovee Xu, and Fan Zhou. 2024. Denoising Propagation Uncertainty for Information Source Localization. In *IEEE Global Communications Conference (GLOBECOM '24)*, Dec 8–12, 2024, Cape Town, South Africa. Accepted.
  7. Xovee Xu, Ting Zhong, Haoyang Yu, Fan Zhou, and Goce Trajcevski. 2024. Overcoming Catastrophic Forgetting in Continual Fine-Grained Urban Flow Inference. *ACM Transactions on Spatial Algorithms and Systems (TSAS)* 10, 4, Article 34 (Dec 2024), 26 pages. doi:10.1145/3660523
  8. Zhangtao Cheng, Fan Zhou, Xovee Xu, Kunpeng Zhang, Goce Trajcevski, Ting Zhong, and Philip S. Yu. 2024. Information Cascade Popularity Prediction via Probabilistic Diffusion. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 36, 12 (Dec 2024), 8541–8555. doi:10.1109/tkde.2024.3465241
  9. Xin Liu, Yi He, Wenxin Tai, Xovee Xu, Fan Zhou, and Guangchun Luo. 2024. Exploring the Chameleon Effect of Contextual Dynamics in Temporal Knowledge Graph for Event Prediction. *Tsinghua Science and Technology* 30, 1 (Feb 2025), 433–455. doi:10.26599/tst.2024.9010067
  10. Zhangtao Cheng, Jienan Zhang, Xovee Xu, Goce Trajcevski, Ting Zhong, and Fan Zhou. 2024. Retrieval-Augmented Hypergraph for Multimodal Social Media Popularity Prediction. In *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD '24)*, Aug 25–29, 2024, Barcelona, Spain. 445–455. Oral Presentation. doi:10.1145/3637528.3672041
  11. Jiayang Gu<sup>†</sup>, Xovee Xu<sup>†</sup>, Yulu Tian, Yurun Hu, Jiadong Huang, Wenliang Zhong, Fan Zhou, and Lianli Gao. 2024. RRE: A Relevance Relation Extraction Framework for Cross-Domain Recommender System at Alipay. In *IEEE International Conference on Multimedia and Expo (ICME '24)*, July 15–19, 2024, Niagara Falls, Canada. 6 pages. Oral Presentation. doi:10.1109/icme57554.2024.10687762
- Best Paper Candidate** (15 candidates in 2,099 submitted papers, ~0.71%)
12. Chunjing Xiao, Shikang Pang, Xovee Xu, Xuan Li, Goce Trajcevski, and Fan Zhou. 2024. Counterfactual Data Augmentation with Denoising Diffusion for Graph Anomaly Detection. *IEEE Transactions on Computational Social Systems (TCSS)* 11, 6 (Dec 2024), 7555–7567. doi:10.1109/tcss.2024.3403503
  13. Xovee Xu<sup>†</sup>, Tangjiang Qian<sup>†</sup>, Zhe Xiao, Ni Zhang, Jin Wu, and Fan Zhou. 2024. PGSL: A Probabilistic Graph Diffusion Model for Source Localization. *Expert Systems With Applications* 238, Article 122038 (Mar 2024), 13 pages. doi:10.1016/j.eswa.2023.122028
  14. Zhenhui Li, Fan Zhou, Zhiyuan Wang, Xovee Xu, Leyuan Liu, and Guangqiang Yin. 2024. Measuring and Classifying IP Usage Scenarios: A Continuous Neural Trees Approach. *Scientific Reports* 14, Article 5144 (Mar 2024), 10 pages. doi:10.1038/s41598-024-55750-x
  15. Xovee Xu<sup>†</sup>, Jiayang Li<sup>†</sup>, and Fan Zhou. 2023. MDCC: A Multimodal Dynamic Dataset for Donation-based Crowdfunding Campaigns. In *ACM International Conference on Information and Knowledge Management (CIKM '23)*, Oct 21–25, 2023, Birmingham, UK. 5417–5421. Oral Presentation. doi:10.1145/3583780.3615124

16. Ce Li, Rongpei Hong, Xovee Xu, Goce Trajcevski, and Fan Zhou. 2023. Simplifying Temporal Heterogeneous Network for Continuous-Time Link Prediction. In *ACM International Conference on Information and Knowledge Management (CIKM '23)*, Oct 21–25, 2023, Birmingham, UK. 1288–1297. Oral Presentation. doi:10.1145/3583780.3615059
17. Qiang Gao, Jinyu Hong, Xovee Xu, Ping Kuang, Fan Zhou, and Goce Trajcevski. 2023. Predicting Human Mobility via Self-Supervised Disentanglement Learning. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 36, 5 (May 2024), 2126–2141. doi:10.1109/tkde.2023.3317175
18. Xovee Xu<sup>†</sup>, Zhiyuan Wang<sup>†</sup>, Fan Zhou, Ying Huang, Ting Zhong, and Goce Trajcevski. 2023. Dynamic Transformer ODEs for Large-Scale Reservoir Inflow Forecasting. *Knowledge-Based Systems* 276, Article 110737 (Sept 2023), 16 pages. doi:10.1016/j.knosys.2023.110737
19. Xovee Xu, Zhiyuan Wang, Qiang Gao, Ting Zhong, Bei Hui, Fan Zhou, and Goce Trajcevski. 2023. Spatial-Temporal Contrasting for Fine-Grained Urban Flow Inference. *IEEE Transactions on Big Data* 9, 6 (Dec 2023), 1711–1725. doi:10.1109/tbdata.2023.3316471
20. Xovee Xu, Ting Zhong, Fan Zhou, Rongfan Li, Goce Trajcevski, and Qinggang Meng. 2023. Learning Spatiotemporal Manifold Representation for Probabilistic Land Deformation Prediction. *IEEE Transactions on Cybernetics* 54, 1 (Jan 2024), 572–585. doi:10.1109/tcyb.2023.3291049
21. Xovee Xu, Yutao Wei, Pengyu Wang, Xucheng Luo, Fan Zhou, and Goce Trajcevski. 2023. Diffusion Probabilistic Modeling for Fine-Grained Traffic Flow Inference with Relaxed Structural Constraint. In *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP '23)*, June 4–10, 2023, Rhodes Island, Greece. 5 pages. Oral Presentation. doi:10.1109/icassp49357.2023.10096169
22. Chunjing Xiao<sup>†</sup>, Xovee Xu<sup>†</sup>, Yue Lei, Kunpeng Zhang, Siyuan Liu, and Fan Zhou. 2023. Counterfactual Graph Learning for Anomaly Detection on Attributed Networks. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 35, 10 (Oct 2023), 10540–10553. doi:10.1109/tkde.2023.3250523
23. Haoyang Yu<sup>†</sup>, Xovee Xu<sup>†</sup>, Ting Zhong, and Fan Zhou. 2023. Overcoming Forgetting in Fine-Grained Urban Flow Inference via Adaptive Knowledge Replay. In *AAAI Conference on Artificial Intelligence (AAAI '23)*, Feb 7–14, 2023, Washington DC, USA. 5393–5401. Oral Presentation. doi:10.1609/aaai.v37i4.25671
24. Zhiyuan Wang, Xovee Xu, Goce Trajcevski, Weifeng Zhang, Ting Zhong, and Fan Zhou. 2022. Learning Latent Seasonal-Trend Representations for Time Series Forecasting. In *Conference on Neural Information Processing Systems (NeurIPS '22)*, Nov 28 – Dec 9, 2022, New Orleans, USA. 38775–38787. Oral Presentation. <https://dblp.org/rec/conf/nips/WangXZTZ022>
25. Yang Cao, Zhenzhen Dang, Feng Wu, Xovee Xu, and Fan Zhou. 2022. Probabilistic Electricity Demand Forecasting with Transformer-Guided State Space Model. In *IEEE International Conference on Automation, Electronics and Electrical Engineering (AUTEEE '22)*, Nov 18–20, 2022, Shenyang, China. 964–969. doi:10.1109/auteee56487.2022.9994294
26. Liu Yu<sup>†</sup>, Xovee Xu<sup>†</sup>, Goce Trajcevski, and Fan Zhou. 2022. Transformer-Enhanced Hawkes Process with Decoupling Training for Information Cascade Prediction. *Knowledge-Based Systems* 255, Article 109740 (Nov 2022), 18 pages. doi:10.1016/j.knosys.2022.109740
27. Ting Zhong, Haoyang Yu, Rongfan Li, Xovee Xu, Xucheng Luo, and Fan Zhou. 2022. Probabilistic Fine-Grained Urban Flow Inference with Normalizing Flows. In *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP '22)*, May 23–27, 2022, Singapore & Online. 3663–3667. doi:10.1109/icassp43922.2022.9747900
28. Xovee Xu, Ting Zhong, Ce Li, Goce Trajcevski, and Fan Zhou. 2022. Heterogeneous Dynamical Academic Network for Learning Scientific Impact Propagation. *Knowledge-Based Systems* 238, Article 107839 (Feb 2022), 17 pages. doi:10.1016/j.knosys.2021.107839
29. Zhiyuan Wang<sup>†</sup>, Xovee Xu<sup>†</sup>, Goce Trajcevski, Kunpeng Zhang, Ting Zhong, and Fan Zhou. 2022. PrEF: Probabilistic Electricity Forecasting via Copula-Augmented State Space Model. In *AAAI Conference on Artificial Intelligence (AAAI '22)*, Feb 22 – Mar 1, 2022, Virtual Event. 12200–12207. doi:10.1609/aaai.v36i1.1.21480

30. Xovee Xu, Fan Zhou, Kunpeng Zhang, and Siyuan Liu. 2022. CCGL: Contrastive Cascade Graph Learning. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 35, 5 (May 2023), 4539–4554. doi:10.1109/tkde.2022.3151829
31. Fan Zhou, Ce Li, Xovee Xu, Leyuan Liu, and Goce Trajcevski. 2021. HGENA: A Hyperbolic Graph Embedding Approach for Social Network Alignment. In *IEEE Global Communications Conference (GLOBECOM '21)*, Dec 7–11, 2021, Hybrid Conference (In-person/Virtual), Madrid, Spain. 6 pages. doi:10.1109/globecom46510.2021.9685690
32. Fan Zhou, Pengyu Wang, Xovee Xu, Wenxin Tai, and Goce Trajcevski. 2021. Contrastive Trajectory Learning for Tour Recommendation. *ACM Transactions on Intelligent Systems and Technology (TIST)* 13, 1, Article 4 (Feb 2022), 25 pages. doi:10.1145/3462331
33. Xovee Xu, Fan Zhou, Kunpeng Zhang, Siyuan Liu, and Goce Trajcevski. 2021. CasFlow: Exploring Hierarchical Structures and Propagation Uncertainty for Cascade Prediction. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 35, 4 (Apr 2023), 3484–3499. doi:10.1109/tkde.2021.3126475
34. Guanyu Wang, Ting Zhong, Xovee Xu, Kunpeng Zhang, Fan Zhou, and Yong Wang. 2021. Vector-Quantized Autoencoder with Copula for Collaborative Filtering. In *ACM International Conference on Information and Knowledge Management (CIKM '21)*, Nov 1–5, 2021, Virtual Event. 3458–3462. doi:10.1145/3459637.3482216
35. Fan Zhou, Liu Yu, Xovee Xu, and Goce Trajcevski. 2021. Decoupling Representation and Regressor for Long-Tailed Information Cascade Prediction. In *International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '21)*, July 11–15, 2021, Virtual Event. 1875–1879. doi:10.1145/3404835.3463104
36. Fan Zhou, Xovee Xu, Goce Trajcevski, and Kunpeng Zhang. 2021. A Survey of Information Cascade Analysis: Models, Predictions, and Recent Advances. *ACM Computing Surveys* 54, 2, Article 27 (Mar 2022), 36 pages. doi:10.1145/3433000
37. Fan Zhou, Zijing Wen, Ting Zhong, Goce Trajcevski, Xovee Xu, and Leyuan Liu. 2020. Unsupervised User Identity Linkage via Graph Neural Networks. In *IEEE Global Communications Conference (GLOBECOM '20)*, Dec 7–11, 2020, Virtual Event. 6 pages. doi:10.1109/globecom42002.2020.9322311
38. Fan Zhou, Xiuxiu Qi, Xovee Xu, Jiahao Wang, Ting Zhong, and Goce Trajcevski. 2020. Meta-Learned User Preference for Topic Participation Prediction. In *IEEE Global Communications Conference (GLOBECOM '20)*, Dec 7–11, 2020, Virtual Event. 6 pages. doi:10.1109/globecom42002.2020.9322197
39. Fan Zhou, Xin Jing, Xovee Xu, Ting Zhong, Goce Trajcevski, and Jin Wu. 2020. Continual Information Cascade Learning. In *IEEE Global Communications Conference (GLOBECOM '20)*, Dec 7–11, 2020, Virtual Event. 6 pages. doi:10.1109/globecom42002.2020.9322124
40. Fan Zhou, Xovee Xu, Kunpeng Zhang, Goce Trajcevski, and Ting Zhong. 2020. Variational Information Diffusion for Probabilistic Cascade Prediction. In *IEEE International Conference on Computer Communications (INFOCOM '20)*, July 6–9, 2020, Virtual Event. 1618–1627. Oral Presentation. doi:10.1109/infocom41043.2020.9155349

### INFOCOM 2020 Student Conference Award

### Abstracts & Short Posters

1. Jienan Zhang, Jie Liu, Zhangtao Cheng, Xovee Xu, Fang Liu, Ting Zhong, and Kunpeng Zhang. 2024. THFormer: Time-Aware Hypergraph Learning for Multimodal Social Media Popularity Prediction (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '24)*, Feb 20–27, 2024, Vancouver, Canada. 23705–23706. doi:10.1609/aaai.v38i21.30534
2. Wenxue Ye, Shichong Li, Zhangtao Cheng, Xovee Xu, Ting Zhong, Bei Hui, and Fan Zhou. 2024. Decoupling User Relationships Guides Information Diffusion Prediction (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '24)*, Feb 20–27, 2024, Vancouver, Canada. 23696–23698. doi:10.1609/aaai.v38i21.30530

3. Fan Zhou, Man Fang, and Xovee Xu. 2023. Machine Learning for Electrolyte Multi-Parameter Mapping (Forum Speech Abstract). In *The 6th Forum of Materials Genome Engineering*, Feb 16–18, 2023, Hangzhou, China. 2 pages.
4. Tangjiang Qian<sup>†</sup>, Xovee Xu<sup>†</sup>, Zhe Xiao, Ting Zhong, and Fan Zhou. 2023. A Probabilistic Graph Diffusion Model for Source Localization (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '23)*, Feb 7–14, 2023, Washington DC, USA. 16306–16307. doi:10.1609/aaai.v37i13.27013
5. Zhangtao Cheng, Xovee Xu, Ting Zhong, Fan Zhou, and Goce Trajcevski. 2023. CasODE: Modeling Irregular Information Cascade via Neural Ordinary Differential Equations (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '23)*, Feb 7–14, 2023, Washington DC, USA. 16192–16193. doi:10.1609/aaai.v37i13.26956
6. Liu Yu, Xovee Xu, Ting Zhong, Goce Trajcevski, and Fan Zhou. 2022. Linking Transformer to Hawkes Process for Information Cascade Prediction (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '22)*, Feb 22 – Mar 1, 2022, Virtual Event. 13103–13104. doi:10.1609/aaai.v36i11.21688
7. Haoyang Yu, Xovee Xu, Ting Zhong, and Fan Zhou. 2022. Fine-Grained Urban Flow Inference via Normalizing Flows (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '22)*, Feb 22 – Mar 1, 2022, Virtual Event. 13101–13102. doi:10.1609/aaai.v36i11.21687
8. Guanyu Wang, Xovee Xu, Ting Zhong, and Fan Zhou. Conditional Collaborative Filtering Process for Top-K Recommender System (Student Abstract). In *AAAI Conference on Artificial Intelligence (AAAI '22)*, Feb 22 – Mar 1, 2022, Virtual Event. 13073–13074. doi:10.1609/aaai.v36i11.21673

## Pre-print

1. Fan Zhou, Xovee Xu, Ce Li, Goce Trajcevski, Ting Zhong, and Kunpeng Zhang. 2020. A Heterogeneous Dynamical Graph Neural Networks Approach to Quantify Scientific Impact. arXiv:2003.12042. 8 pages.

## Theses

1. Xovee Xu. 2021. A Research of Information Diffusion Models and Popularity Prediction Using Graph Neural Networks (in Chinese). Master's Thesis. School of Information and Software Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, China. June 2021, 93 pages. Advisor: Ting Zhong. Committee Chair: Jingye Cai. doi:10.27005/d.cnki.gdzku.2021.001672

**Outstanding Master's Thesis of UESTC** (105 awarded among 4,929 theses, ~2.13%)

2. Xovee Xu. 2018. Testing Methods for Large-Scale Insurance Payment Systems (in Chinese). Bachelor's Thesis. School of Information and Software Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, China. June 2018. 54 pages. Advisors: Xiaoqing Hao and Jie Gao.

## Summary

- ×5 GLOBECOM, TKDE
- ×3 AAAI, CIKM, ICASSP, KBS
- ×2 TheWebConf
- ×1 ACM CSUR, ACM KDD, ACM TIST, AUTEEO, ESWA, ICME, IEEE TBDATA, INFOCOM, Inf Sci, NeurIPS, Sci Rep, SIGIR, TCSS, TCYB, TSAS, Tsinghua S&T

## Patents

1. Fan Zhou, Zhangtao Cheng, Zhe Xiao, Xovee Xu, and Ting Zhong. 2023. Information Cascade Popularity Prediction Method and System Based on Probabilistic Diffusion. (June 2023). China Invention Patent, No. CN116308854A, Filed Dec. 9th., 2022.

2. Fan Zhou, Zhangtao Cheng, Zhe Xiao, Xovee Xu, and Ting Zhong. 2023. Information Diffusion Prediction System and Method Based on Meta-Knowledge Learning. (Apr. 2023). China Invention Patent, No. CN115936120A, Filed Dec. 8th., 2022.
3. Fan Zhou, Liu Yu, Ting Zhong, Xovee Xu, and Ping Kuang. 2022. Information Cascade Prediction System and Method Based on Transformer-Enhanced Hawkes Process. (Nov. 2022). China Invention Patent, No. CN115409155A, Filed Aug. 17th., 2022.
4. Fan Zhou, Chengtai Cao, Ting Zhong, and Xovee Xu. 2022. Meta-Learner Based Training Data Generation Method and Causal Effect Heterogeneous Reaction Difference Estimation Method. (May 2022). China Invention Patent, No. CN113095440B, Filed Apr. 30th., 2021, Issued May 17th., 2022.

## Main Research Funding

### Young Elite Scientists Sponsorship Program – Doctoral Student Special Plan

**Funding Agency:** China Association for Science and Technology (CAST)

**Plan Supporter:** China Computer Federation (CCF)

**Role:** Principal Investigator

**Duration:** 2025–2026

**Description:** The CAST provides the recipient with two years of support services, including a funding of up to CNY 40,000 (~\$5500 USD) and several opportunities for professional activities. The inaugural Plan in 2025 is highly selective, fewer than 1% of PhD student in China have been chosen.

## Collaborative Research Funding

### Supplier Relation Modeling Based on Multi-View Multi-Task Graph Representation Learning

**Sponsor:** Ant Group

**Role:** Major Participant (PI: Lianli Gao)

**Duration:** Sept 2022 – June 2023

### Research on the Interpretability of Graph Deep Learning Models

**Funding Agency:** National Natural Science Foundation of China (NSFC)

**Role:** Major Participant (PI: Fan Zhou)

**Funding Amount:** CNY 570,000 (~\$87,000 USD)

**Duration:** 2021–2024

## Teaching Experience

### C Programming Language

**Role:** Teaching Assistant, with Prof. Ting Zhong

**Institution:** UESTC, School of Information and Software Engineering

**Term:** Spring 2020

### Software Project Management (Summer Course)

**Institution:** UESTC, School of Information and Software Engineering

**Role:** Teaching Assistant, with Prof. Gianmario Motta (University of Pavia)

**Term:** Summer 2019

## Industrial Experience

**Kash Institute of Electronics and Information Industry**, Kashi, Xinjiang, China

**Role:** Research Intern, on designing crowdfunding simulation algorithms

**Duration:** July – Aug 2023

**Ant Group**, Hangzhou, Zhejiang, China

**Role:** Algorithm Engineer Intern, on building large-scale service-content knowledge graph

**Nickname:** 程璐

**Duration:** Dec 2022 – Jan 2023

**PICC Property & Casualty Co. Ltd.**, Chengdu, Sichuan, China

**Role:** Software Test Engineer Intern, on large-scale insurance payment systems

**Duration:** Feb – May, 2018

**Chengdu Gluxen Tech. Co. Ltd.**, Chengdu, Sichuan, China

**Role:** Web Developer Intern, on designing webpages

**Duration:** Feb – July, 2017

## Competition

**AI Algorithm Competition (Weibo Diffusion Popularity Prediction Track)**

2021

**Organizers:** People's Daily Online, State Key Laboratory of Communication Content Cognition

**Team:** Xovee Xu, Ce Li, Zhiyuan Wang, and Fan Zhou (Advisor)

**Recognition:** Honorable Mention (7th Place)

## Datasets

**MDCC: A Multimodal Dynamic Dataset for Donation-Based Crowdfunding Campaigns** 2023

<https://github.com/Jiayang-L1/mdcc>

**DiDi-Xi'an: A Dataset for Fine-Grained Urban Flow Inference** 2022

<https://github.com/PattonYu/fufi-didi-xian>

## Demos & Resources

<https://www.xoveexu.com/project>

**Computer Science Conference Statistics**

2024

<https://csconfstats.xoveexu.com>

<https://csconfstats.xoveexu.com/fun-fact>

<https://github.com/Xovee/cs-conf-stats>

**Fund, Award, and Scholarship Translation**

2023

<https://www.xoveexu.com/project/fund-translation>

**Co-Authorship Network Visualization**

2021

<https://github.com/Xovee/canv>

**Curriculum Vitae  $\LaTeX$  Template**

2021



<https://github.com/Xovee/latex-cv>

**UESTC Course** (3K stars)

2019

<https://github.com/Xovee/uestc-course>

## Distinctions (Longer List)

### Research Awards

Best Paper Candidate, IEEE ICME 2024, 15/2099	2024
Outstanding Master's Thesis of UESTC, 105/4929	2021
Student Conference Award, IEEE INFOCOM 2020	2020

### Funding

Young Elite Scientists Sponsorship Program for Doctoral Students, China Association for S&T	2025
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### Service Award

Excellent Reviewer, ACM KDD 2025	2025
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### Student Awards & Scholarships

Outstanding Graduate of Sichuan Province, China	2025
Outstanding Graduate of UESTC	2025
Second Prize, Academic Scholarship for PhD Student, UESTC, CNY 14K	2024
Tencent Scholarship, CNY 15K	2023
First Prize, Academic Scholarship for PhD Student, UESTC, CNY 18K	2023
Wuliangye Innovation Scholarship, CNY 20K	2022
First Prize, Academic Scholarship for PhD Student, UESTC, CNY 18K	2022
Academic Rising Star of UESTC, CNY 3K	2022
Outstanding PhD Student, UESTC	2022
AAAI-22 Scholarship	2022
Outstanding Master Student, UESTC	2020
First Prize, Academic Scholarship for Master Student, UESTC, CNY 10K	2020

## Erdős Number for Fun

Paul Erdős  $\xrightarrow{1}$  János Pach  $\xrightarrow{2}$  Hervé Brönnimann  $\xrightarrow{3}$  Goce Trajcevski  $\xrightarrow{4}$  Xovee Xu

## Programming Languages

Python

JavaScript

## Spoken Languages

Native Mandarin

Native Jin Chinese

Fluent English  
Basic Southwestern Mandarin  
Basic Spanish

## **Research Links**

dblp	<a href="https://dblp.uni-trier.de/pid/261/9309.html">https://dblp.uni-trier.de/pid/261/9309.html</a>
GitHub	<a href="https://github.com/Xovee">https://github.com/Xovee</a>
Google Scholar	<a href="https://scholar.google.com/citations?user=ra0qyRQAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=ra0qyRQAAAAJ&amp;hl=en&amp;oi=ao</a>
Lab Page	<a href="https://www.icdmlab.com">https://www.icdmlab.com</a>
LinkedIn	<a href="https://www.linkedin.com/in/xovee">https://www.linkedin.com/in/xovee</a>
My Homepage	<a href="https://www.xoveexu.com">https://www.xoveexu.com</a>
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