

Xovee Xu

Curriculum Vitae

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Summary

- I am currently a third-year master student major in software engineering at UESTC, China, expected to graduate in Jun, 2021.
- During three years of academic research experience, I have authored several research articles published in IEEE INFOCOM, GLOBECOM, and ACM CSUR. I also have two submissions submitted to IEEE TKDE, one is under the status of minor revision and another under review.
- My research interests include social network data mining and knowledge discovery, especially focus on information diffusion, information cascades, user behavior analysis, spatial-temporal data modeling, large-scale graph learning, and science of science in various real-world applications.
- I am self-motivated, easy-going, and collaborative.

Education

- 2018 - 2021 **M.Eng in Software Engineering**, University of Electronic Science and Technology of China (UESTC).
2014 - 2018 **B.Eng in Software Engineering**, University of Electronic Science and Technology of China (UESTC).

Selected Publication

- Under review '20 **Xovee Xu**, Fan Zhou, Kunpeng Zhang, and Siyuan Liu
CCGL: Contrastive Cascade Graph Learning
Submitted to *IEEE Transaction on Knowledge and Data Engineering (TKDE)*, under review.
- Minor Revision '20 Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Siyuan Liu, and Goce Trajcevski.
CasFlow: Exploring Hierarchical Structures and Propagation Uncertainty for Cascade Prediction
Submitted to *IEEE Transaction on Knowledge and Data Engineering (TKDE)*, under review, minor revision.
- CSUR '20 Fan Zhou, **Xovee Xu**, Goce Trajcevski, and Kunpeng Zhang
A Survey of Information Cascade Analysis: Models, Predictions and Recent Advances
ACM Computing Survey (CSUR), 2020.
- INFOCOM '20 Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Goce Trajcevski, and Ting Zhong
Variational Information Diffusion for Probabilistic Cascades Prediction
IEEE International Conference on Computer Communications (INFOCOM), Virtual conference, Jul 6-9, 2020, pp. 1618-1627, doi:10.1109/INFOCOM41043.2020.9155349

Distinction

- 2020 **INFOCOM 2020 Student Conference Award**, IEEE ComSoc.
2020 **Outstanding Graduate**, UESTC.
2020 **First Prize Scholarship**, UESTC.

Professional Service & Membership

Conference/Journal Reviewer

- AAAI AAAI Conference on Artificial Intelligence, 2021.
Access IEEE Access, 2020.
BigData IEEE International Conference on Big Data, 2020.
IJ-ICT International Journal of Informatics and Communication Technology (IJ-ICT), 2020.
JAIHC Journal of Ambient Intelligence and Humanized Computing, 2020.
KDD ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2019.
TELKOMNIKA TELKOMNIKA (Telecommunication Computing Electronics and Control), 2020.
TNNLS IEEE Transactions on Neural Networks and Learning Systems, 2020.

Membership

- 2020 **Graduate Student Member, IEEE.**
2020 **Graduate Student Member, IEEE ComSoc.**
2020 **Member, ACM.**

Projects

- 2019 - present **UESTC Course [GitHub] [366 stars], Self-motivated.**
A public repository on GitHub that contains review materials of courses (arranged and uploaded by students) of UESTC.
 - Open and free platform for students of UESTC to easily access necessary review materials.
 - Now more than 30 courses, 300 files included and is still growing.
- 2018 - present **Technical Blogs (in Chinese) [CSDN], Self-motivated.**
He has written more than 130 articles, topics including artificial intelligence, machine/deep/representation learning, data mining, statistics, mathematics, English tech-article translations, LaTeX, Matplotlib, Python, tutorials, solutions of warnings/errors, etc. Up to now, he has received more than 256K page views and ranked 24K among 2M+ CSDN bloggers.
- 2018 - 2019 **Translation of "Neural Networks and Deep Learning" [CSDN] [GitHub], Self-motivated.**
Simplified Chinese edition of the original online book of author Michael Nielsen.

Language

Chinese Native speaker
English Fluent

Mandarin; Northern Shaanxi Dialect
TOEFL: **94**; CET6: **561**

Intern

- Feb – May, 2018 **Software Testing Intern, PICC P&C, Chengdu, China.**
Information Technology Department, Chengdu R&D Sub-centre, Software testing.
- Feb – Aug, 2017 **Web Developer Intern, Chengdu Gluxen Tech. Co. Ltd., Chengdu, China.**
Front-end design, development, and testing under Vue.js framework.

Reference

Dr. Ting Zhong (Supervisor)
Associate Professor
University of Electronic Science and
Technology of China
Chengdu, Sichuan, China, 610054
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Dr. Fan Zhou (Supervisor)
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Dr. Goce Trajcevski (Collaborator)
Associate Professor
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Full Publication

[\[Google Scholar\]](#) [\[ORCID\]](#) [\[DBLP\]](#) [\[publons\]](#)

Refereed Conference Articles

- [C1] Fan Zhou, Xin Jing, **Xovee Xu**, Ting Zhong, Goce Trajcevski, and Jin Wu. Continual information cascade learning. In *To be present in IEEE Global Communications Conference (GLOBECOM)*, pages 1–6, 2020.
- [C2] Fan Zhou, Xiuxiu Qi, **Xovee Xu**, Jiahao Wang, Ting Zhong, and Goce Trajcevski. Meta-learned user preference for topic participation prediction. In *To be present in IEEE Global Communications Conference (GLOBECOM)*, pages 1–6, 2020.
- [C3] Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Goce Trajcevski, and Ting Zhong. Variational information diffusion for probabilistic cascades prediction. In *IEEE International Conference on Computer Communications (INFOCOM)*. Virtual conference, Jul 6-9, 2020, pp. 1618-1627, doi:10.1109/INFOCOM41043.2020.9155349.
- [C4] Fan Zhou, Zijing Wen, Ting Zhong, Goce Trajcevski, **Xovee Xu**, and Leyuan Liu. Unsupervised user identity

linkage via graph neural networks. In *To be present in IEEE Global Communications Conference (GLOBECOM)*, pages 1–6, 2020.

Refereed Journal Articles

- [J1] Fan Zhou, **Xovee Xu**, Goce Trajcevski, and Kunpeng Zhang. A survey of information cascade analysis: Models, predictions and recent advances. *ACM Computing Surveys (CSUR)*, pages 1–41, 2020.

Preprints and On-going Articles

- [i1] **Xovee Xu**, Fan Zhou, Ce Li, Goce Trajcevski, Ting Zhong, and Guanyu Zhu. Quantifying the long-term scientific impact via heterogeneous dynamical graph neural network. In *arXiv:2003.12042*, pages 1–6, 2020.
- [i2] **Xovee Xu**, Fan Zhou, Kunpeng Zhang, Siyuan Liu, and Goce Trajcevski. CCGL: Contrastive cascade graph learning. In *Submitted to IEEE Transactions on Knowledge and Data Engineering (TKDE), under Review*, pages 1–14, 2020.
- [i3] Fan Zhou, Ce Li, **Xovee Xu**, Xucheng Luo, and Ting Zhong. HGENA: A hyperbolic graph embedding approach for social network alignment. In *IEEE International Conference on Communications (ICC), under review.*, 2021.
- [i4] Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Siyuan Liu, and Goce Trajcevski. CasFlow: Exploring hierarchical structures and propagation uncertainty for cascade prediction. *Submitted to IEEE Transactions on Knowledge and Data Engineering (TKDE), Under Review, Minor Revision*, pages 1–14, 2020.