Xovee Xu
Curriculum Vitae

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Summary

- He is currently a third-year master student major in software engineering at UESTC, China, expected to graduate in Jun, 2021.
- His research interests include social network data mining and knowledge discovery, especially focus on information diffusion, user behavior analysis, large-scale graph learning, and science of science in various real-world applications.
- He is the author of several research articles published in INFOCOM, GLOBECOM, and CSUR.
- He is self-motivated, hardworking, 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, Siyuan Liu, and Goce Trajcevski
CCGL: Contrastive Cascade Graph Learning
Submitted for 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.

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).

arXiv '20 — **Xovee Xu**, Fan Zhou, Ce Li, Goce Trajcevski, Ting Zhong, and Guangyu Zhu
Quantifying the Long-Term Scientific Impact via Heterogeneous Dynamical Graph Neural Network
arXiv:2003.12042

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

- He has served as reviewer for several referred conferences/journals. See verified peer review records in publons.
- He is a graduate student member of IEEE and IEEE ComSoc.

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

IEEE   **Graduate Student Member**, *2020-21.*

IEEE ComSoc   **Graduate Student Member**, *2020-21.*

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 orignal online book of author Michael Nielsen.

Language

Chinese   Native speaker   *Mandarin; Northern Shaanxi Dialect*

English   Fluent   *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.

Full Publication

[Google Scholar] [ORCID] [DBLP] [publons]

Refereed Conference Papers

[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 Papers

[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 Papers

[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 for review.*, pages 1–14, 2020.

[i3] 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.