Xovee Xu
Curriculum Vitae

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Summary

○ Master student major in software engineering at UESTC, China, expected to graduate in Jun, 2021.

○ Research interests including social network analysis, information diffusion, knowledge discovery & data mining, information cascade, popularity prediction, machine/deep/representation/graph learning, etc.

○ During two-years of scientific research, have written seven papers (four of them as first author or student first author), one accepted by a top tier conference INFOCOM, and six under review.

○ Self-motivated, hardworking, easy-going, and collaborative.

Education

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

Selected Publications

Under review May, 2020	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. [code & data]
arXiv May, 2020	Fan Zhou, **Xovee Xu**, Goce Trajcevski and Kunpeng Zhang. A Survey of Information Cascade Analysis: Models, Predictions and Recent Advances. *arXiv:2005.11041*. Submitted to *ACM Computing Survey (CSUR)*, under review.
arXiv Mar, 2020	**Xovee Xu**, Fan Zhou, Ce Li, Goce Trajcevski, Ting Zhong and Guangyu Zhu. Quantifying the Scientific Impact via Heterogeneous Dynamical Graph Neural Network. *arXiv:2003.12042*. Submitted to GLOBECOM'20, under review. [code]
INFOCOM Jul 6-9, 2020	Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Goce Trajcevski and Ting Zhong. Variational Information Diffusion for Probabilistic Cascades Prediction. To be presented at IEEE International Conference on Computer Communications (INFOCOM), 2020.

Award

Jun, 2020	**INFOCOM 2020 Student Conference Award**, *IEEE ComSoc.*

Projects

May, 2019 to present	**UESTC Course [GitHub] [247 Stars] [56 Forks]**, *Self-motivated.* Morton Wang and I maintain a repository on GitHub that contains review materials of courses of UESTC. ○ Open and free platform for students of UESTC to easily access necessary review materials. ○ Now more than 30 courses, 200 files included and is still growing.
Aug, 2018 to present	**Technical Blogs (in Chinese) [CSDN]**, *Self-motivated.* I've written more than 100 articles, topics including artificial intelligence, machine/deep/representation learning, data mining, statistics, mathematics, LaTeX, Matplotlib, Python, tutorials, solutions of warnings/errors, etc.
Sep, 2018 – May, 2019	**Translation of "Neural Networks and Deep Learning" [CSDN] [GitHub]**, *Self-motivated.* Simplified Chinese edition of the original online book of author Michael Nielsen.

Languages

Chinese	Native speaker	
English	Fluent	*CET 6: 561*

Interns

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 Publications

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

Preprints and On-going Papers

[i1] Xovee Xu, Fan Zhou, Ce Li, Goce Trajcevski, Ting Zhong, and Guanyu Zhu. Quantifying the scientific impact via heterogeneous dynamical graph neural network. In *arXiv:2003.12042, Submitted to IEEE Global Communications Conference (GLOBECOM), Under Review*, pages 1–6, 2020.

[i2] Fan Zhou, Xin Jing, Xovee Xu, Ting Zhong, Goce Trajcevski, and Jin Wu. Continual information cascade learning. In *Submitted to IEEE Global Communications Conference (GLOBECOM), Under Review*, pages 1–6, 2020.

[i3] Fan Zhou, Xiuxiu Qi, Xovee Xu, Jiahao Wang, Ting Zhong, and Goce Trajcevski. Meta-learned user preference for topic participation prediction. In *Submitted to IEEE Global Communications Conference (GLOBECOM), Under Review*, pages 1–6, 2020.

[i4] Fan Zhou, Zijing Wen, Ting Zhong, Goce Trajcevski, Xovee Xu, and Leyuan Liu. Unsupervised user identity linkage via graph neural networks. In *Submitted to IEEE Global Communications Conference (GLOBECOM), Under Review*, pages 1–6, 2020.

[i5] 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*, pages 1–14, 2020.

[i6] Fan Zhou, Xovee Xu, Fan Zhou, Goce Trajcevski, and Kunpeng Zhang. A survey of information cascade analysis: Models, predictions and recent advances. *arXiv:2005.11041, Submitted to ACM Computing Survey (CSUR), Under Review*, pages 1–41, 2020.

Refereed Conference Papers

[C1] Fan Zhou, Xovee Xu, Kunpeng Zhang, Goce Trajcevski, and Ting Zhong. Variational information diffusion for probabilistic cascades prediction. In *INFOCOM (In Press)*, pages 1–10, 2020.