

# 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 Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Siyuan Liu and Goce Trajcevski.  
May, 2020 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 Fan Zhou, **Xovee Xu**, Goce Trajcevski and Kunpeng Zhang.  
May, 2020 A Survey of Information Cascade Analysis: Models, Predictions and Recent Advances.  
*arXiv:2005.11041*. Submitted to *ACM Computing Survey (CSUR)*, under review.
- arXiv **Xovee Xu**, Fan Zhou, Ce Li, Goce Trajcevski, Ting Zhong and Guangyu Zhu.  
Mar, 2020 Quantifying the Scientific Impact via Heterogeneous Dynamical Graph Neural Network.  
*arXiv:2003.12042*. Submitted to *GLOBECOM'20*, under review. [[code](#)]
- INFOCOM Fan Zhou, **Xovee Xu**, Kunpeng Zhang, Goce Trajcevski and Ting Zhong.  
Jul 6-9, 2020 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/INFOCOM41043.2020.9155459.

### Award

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

### Projects

- May, 2019 **UESTC Course** [[GitHub](#)] [247 Stars] [56 Forks], *Self-motivated*.  
to present 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 **Technical Blogs (in Chinese)** [[CSDN](#)], *Self-motivated*.  
to present 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 **Translation of "Neural Networks and Deep Learning"** [[CSDN](#)] [[GitHub](#)], *Self-motivated*.  
– May, 2019 Simplified Chinese edition of the original online book of author [Michael Nielsen](#).

### Languages

- Chinese Native speaker  
English Fluent

## 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 *IEEE International Conference on Computer Communications (INFOCOM)*. Virtual conference, Jul 6-9, 2020, pp. 1618-1627, doi:10.1109/INFOCOM41043.2020.9155459.