

# 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 eight papers (five of them as first or student first author), published in top-tier conferences/journals including INFOCOM, CSUR, GLOBECOM, etc.
- 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, 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 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.

### Award

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

### Professional Service

- Serving as reviewer for 8 conferences/journals. See verified peer review records in [publons](#).

#### 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.

## Projects

- 2019 - present **UESTC Course [GitHub] [292 Stars]**, *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, 300 files included and is still growing.
- 2018 - 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. Up to now, it received more than 190K page views and ranked 30K 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	<i>Mandarin; Northern Shaanxi Dialect; Southwestern Mandarin</i>
English	Fluent	<i>CET 6: 561; TOEFL: ?</i>

## 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 scientific impact via heterogeneous dynamical graph neural network. In *arXiv:2003.12042*, pages 1–6, 2020.
- [i2] **Xovee Xu**, Fan Zhou, Kunpeng Zhang, and Goce Trajcevski. 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.