

Xiao Xie

- Education** Ph.D. in Computer Science, Zhejiang University, Dec. 2020 (Advisor: Yingcai Wu)
 B.Eng. in Software Engineering, Sun Yat-sen University, Jul. 2015
- Employment** Jun. 2021 – present Assistant Professor, Zhejiang University
- Research Interests** Visual Analytics, Sports Visual Analytics, Immersive Visualization.
- Publications** *1. SimuExplorer: Visual Exploration of Game Simulation in Table Tennis*
 Ji Lan, Zheng Zhou, Jiachen Wang, Hui Zhang, **Xiao Xie**, and Yingcai Wu.
IEEE Transactions on Visualization and Computer Graphics.
- 2. Compass: Towards Better Causal Analysis of Urban Time Series*
 Zikun Deng, Di Weng, **Xiao Xie**, Jie Bao, Yu Zheng, Mingliang Xu, Wei Chen, and Yingcai Wu.
IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2021).
 Vol. 28, no. 1, pp. 1051–1061, January 2022.
- 3. TIVEE: Visual Exploration and Explanation of Badminton Tactics in Immersive Visualizations*
 Xiangtong Chu, **Xiao Xie**, Shuainan Ye, Haolin Lu, Hongguang Xiao, Zeqing Yuan, Zhutian Chen, Hui Zhang, and Yingcai Wu.
IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2021).
 Vol. 28, no. 1, pp. 118–128, January 2022.
- 4. GlyphCreator: Towards Example-based Automatic Generation of Circular Glyphs*
 Lu Ying, Tan Tang, Luzhe Luo, Lvkeshe Shen, **Xiao Xie**, Lingyun Yu, and Yingcai Wu.
IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2021).
 Vol. 28, no. 1, pp. 400–410, January 2022.
- 5. Seek for Success: A Visualization Approach for Understanding the Dynamics of Academic Careers*
 Yifang Wang, Tai-Quan Peng, Huihua Lu, Haoren Wang, **Xiao Xie**, Huamin Qu, and Yingcai Wu.
IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2021).
 Vol. 28, no. 1, pp. 475–485, January 2022.
- 6. Tac-Valuer: Knowledge-based Stroke Evaluation in Table Tennis*
 Jiachen Wang, Dazhen Deng, **Xiao Xie**, Xinhuan Shu, Yu-Xuan Huang, Le-Wen Cai, Hui Zhang, Min-Ling Zhang, Zhi-Hua Zhou, and Yingcai Wu.
The ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2021.
- 7. EventAnchor: Reducing Human Interactions in Event Annotation of Racket Sports Videos*
 Dazhen Deng, Jiang Wu, Jiachen Wang, Yihong Wu, **Xiao Xie**, Zheng Zhou, Hui Zhang, Xiaolong (Luke) Zhang, and Yingcai Wu.
Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2021.

8. *A Visual Analytics Approach for Exploratory Causal Analysis: Exploration, Validation, and Applications*

Xiao Xie, Fan Du, and Yingcai Wu.

IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS (VAST) 2020)

Vol. 27, no. 2, pp. 1448–1458, Feb. 2021.

9. *PassVizor: Toward Better Understanding of the Dynamics of Soccer Passes*

Xiao Xie, Jiachen Wang, Hongye Liang, Dazhen Deng, Shoubin Cheng, Hui Zhang, Wei Chen, and Yingcai Wu.

IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS (VAST) 2020)

Vol. 27, no. 2, pp. 1322–1331, Feb. 2021.

10. *Tac-Simur: Tactic-based Simulative Visual Analytics of Table Tennis*

Jiachen Wang, Kejian Zhao, Dazhen Deng, Anqi Cao, Xiao Xie, Zheng Zhou, Hui Zhang, and Yingcai Wu.

IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS (VAST) 2019)

Vol. 26, no. 1, pp. 407–417, Jan. 2020.

11. *Visual Analytics of Dynamic Interplay Between Behaviors in MMORPGs*

Junhua Lu, Xiao Xie, Ji Lan, Tai-Quan Peng, Wei Chen, and Yingcai Wu.

Proceedings of IEEE Pacific Visualization 2019

12. *A Semantic-Based Method for Visualizing Large Image Collections*

Xiao Xie, Xiwen Cai, Junpei Zhou, Nan Cao, and Yingcai Wu.

IEEE Transactions on Visualization and Computer Graphics

Vol. 25, no. 7, pp. 2362–2377, Jul. 2019.

13. *ForVizor: Visualizing Spatio-Temporal Team Formations in Soccer*

Yingcai Wu, Xiao Xie, Jiachen Wang, Dazhen Deng, Hongye Liang, Hui Zhang, Shoubin Cheng, and Wei Chen*.

IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS (VAST) 2018)

Vol. 25, no. 1, pp. 65–75, Jan. 2019.

14. *StreamExplorer: A Multi-Stage System for Visually Exploring Events in Social Streams*

Yingcai Wu, Zhutian Chen, Guodao Sun, Xiao Xie, Nan Cao, Shixia Liu, and Weiwei Cui.

IEEE Transactions on Visualization and Computer Graphics

Vol. 24, no. 10, pp. 2758–2772, Oct. 2018.

15. *A Study of the Effect of Doughnut Chart Parameters on Proportion Estimation Accuracy*

Xiwen Cai, Konstantinos Efstathiou, Xiao Xie, Yingcai Wu, Yang Shi, and Lingyun Yu.

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Vol. 37, no. 6, pp. 300–312, Jun. 2018.

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