

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. *OBTracker: Visual Analytics of Off-ball Movements in Basketball*
 Yihong Wu, Dazhen Deng, **Xiao Xie**^{*}, Moqi He, Jie Xu, Hongzeng Zhang, Hui Zhang, and Yingcai Wu.
 IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2022, Honorable Mention).
2. *Sporthesia: Augmenting Sports Videos Using Natural Language*
 Zhutian Chen, Qisen Yang, **Xiao Xie**, Johanna Beyer, Haijun Xia, Yingcai Wu, and Hanspeter Pfister^{*}
 IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2022).
3. *Tac-Trainer: A Visual Analytics System for IoT-based Racket Sports Training*
 Jiachen Wang, Ji Ma, Kangping Hu, Zheng Zhou, Hui Zhang, **Xiao Xie**^{*}, and Yingcai Wu.
 IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS 2022).
4. *Team-Builder: Toward More Effective Lineup Selection in Soccer*
 Anqi Cao, Ji Lan, **Xiao Xie**^{*}, Hongyu Chen, Xiaolong Zhang, Hui Zhang, and Yingcai Wu.
 IEEE Transactions on Visualization and Computer Graphics (To appear).
5. *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 (To appear).
6. *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).
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7. *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^{*}.
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8. *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).
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9. *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*.

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10. *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.

11. *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.

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

Xiao Xie, Fan Du*, and Yingcai Wu*.

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13. *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*.

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14. *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*.

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15. *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

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

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

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17. *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*.

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18. *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.

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19. *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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