

Ziyang Guo

Northwestern University, Evanston, Illinois

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Education

Ph.D.

- **Northwestern University**
○ *Computer Science,* 2022–now
Advisor: Prof. Jessica Hullman

Bachelor

- **Zhejiang University**
○ *Computer Science,* 2018–2022
Advisor: Prof. Yingcai Wu

Publications

Papers

- A Decision Theoretic Framework for Measuring AI Reliance
Ziyang Guo, Yifan Wu, Jason Hartline, Jessica Hullman
ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT) 2024
- The Rational Agent Benchmark for Data Visualization
Yifan Wu, **Ziyang Guo**, Michalis Mamakos, Jason Hartline, Jessica Hullman
IEEE Trans. Visualization & Comp. Graphics (Proc. VIS) 2023
- EVM: Incorporating Model Checking into Exploratory Visual Analysis
Alex Kale, **Ziyang Guo**, Xiao Li Qiao, Jeffrey Heer, Jessica Hullman
IEEE Trans. Visualization & Comp. Graphics (Proc. VIS) 2023
- Rasipam: Interactive pattern mining of multivariate event sequences in racket sports
Jiang Wu, Dongyu Liu, **Ziyang Guo**, Yingcai Wu
IEEE Transactions on Visualization and Computer Graphics 29
- TacticFlow: Visual Analytics of Ever-Changing Tactics in Racket Sports
Jiang Wu, Dongyu Liu, **Ziyang Guo**, Qingyang Xu, and Yingcai Wu
IEEE VIS 2021

- Visual Analytics of Multivariate Event Sequence Data in Racquet Sports
Jiang Wu, **Ziyang Guo**, Zuobin Wang, Qingyang Xu, and Yingcai Wu
IEEE VAST 2020 (Conference Track)

Research Experiences

- **MuCollective Group**, Northwestern University *Sep. 2022 – Now*
Ph.D. student
Advised by Prof. Jessica Hullman
Decision making, Visual information.
- **Data Interaction Group**, Carnegie Mellon University *Apr. 2021 – Sep. 2022*
Undergraduate research intern
Advised by Prof. Adam Perer
AI Clinician, Event sequence progression and AI Explanation.
- **Interactive Data Group**, Zhejiang University *Aug. 2018 – Apr. 2021*
Undergraduate research intern
Advised by Prof. Yingcai Wu
Sports Visual Analytics, Event sequence data visualization, and Pattern mining algorithm.

Honors and Certification

- Chu Kochen Honors College Innovation Scholarship (top 2%) *Oct. 2019*
Awarded to Achievements in Academic Research, Competitions and Innovation
- Academic outstanding pacesetter for 3 successive years (top 20% in 200 students)
- Zhejiang Provincial Scholarship (top 5%) *Sep. 2019*
Awarded for Excellent Students in Academics

Work Experience

- **Computer Architecture**: Teaching Assistant. *Sep. 2021 – Feb. 2022*
Aided Prof. Kai Bu in teaching 86 junior students the basics of computer architecture.