Ruishi (Ray) Zou

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Education

University of California, San Diego   **La Jolla, CA, USA**
MS in Computer Science   2024 - Present
Tongji University   **Shanghai, China**
BE in Computer Science and Technology   2020 - 2024
Thesis Advisor: Prof. Hanli Wang
Thesis Title: *Cooking Tutorial Generation based on Video Analysis and a Mixed-initiative Interactive System*

Publication

* = equal contribution

Peer Reviewed Publications

More Samples or More Prompts? Exploring Effective Few-Shot In-Context Learning for LLMs with In-Context Sampling   NAACL 2024
Bingsheng Yao, Guiming Chen, **Ruishi Zou**, Yuxuan Lu, Jiachen Li, Shao Zhang, Yisi Sang, Sijia Liu, James Hendler, Dakuo Wang
In *Findings of the Association for Computational Linguistics: NAACL 2024*

Chart2Vec: A Universal Embedding of Context-Aware Visualizations   TVCG
Qing Chen, Ying Chen, **Ruishi Zou**, Wei Shuai, Yi Guo, Jiazhe Wang, Nan Cao
In *IEEE Transactions on Visualization and Computer Graphics (2024)*

Lightly Peer Reviewed Publications (Posters, Workshops)

iTutor: A Generative Tutorial System for Teaching the Elders to Use Smartphone Applications   UIST 2023
Ruishi Zou, Zi Ye, Chen Ye
In *Adjunct Proceedings of the ACM Symposium on User Interface Software and Technology (Poster)*

Preprints and In Submission Manuscripts

Project - Automatic Visualization for Data-rich Documents   CHI 2025
As first author
(In submission)

Project - Human-AI System for Learning from Cooking Instructional Videos   CHI 2025
As first author
(In submission)

Project - Human-AI writing   CHI 2025
As second author
(In submission)

Designing and Evaluating Sampling Strategies for Multiple-Forecast Visualization (MFV)   TVCG
Ruishi Zou, Siyi Wu, Bingsheng Yao, Dakuo Wang, Lace Padilla
(In submission)

Professional Experience

Northeastern University, Human-AI Lab, Research Assistant   Remote
Advisor: Prof. Dakuo Wang, Prof. Lace Padilla   10/2023 - Present

Tongji University, HCI Interest Group (Informal) - Undergraduate Student Researcher   Shanghai, China
Advisor: Prof. Chen Ye, Prof. Hanli Wang   04/2023 - 09/2024

Ant Group - Corporate Partnership (Front-end Engineer) Intern   Shanghai, China
AntV Team   07/2023 - 09/2023

Carnegie Mellon University, Computer Music Lab - Research Intern   Remote
Advisor: Prof. Roger B. Dannenberg   04/2023 - 09/2023

Tongji University, Intelligent Big Data Visualization Lab (iDVx) - Research Intern   Shanghai, China
Advisor: Prof. Qing Chen   03/2022 - 09/2023

Awards and Honors

Undergraduate Academic Star of College of Electronic and Information Engineering, Tongji University   2023
Third Price, China Collegiate Computing Contest - HCI Innovation Competition 2023 *(top 3%)*   2023
Third-Class Scholarship, Tongji University Outstanding Student Scholarship, 2021 - 2022 Academic Year   2022
"Award in Creativity", China Collegiate Computing Contest - HCI Innovation Competition 2022 *(top 4%)*   2022
First-Class Scholarship, Tongji University Outstanding Student Scholarship, 2020 - 2021 Academic Year   2021

Skills

Programming Languages: Python, JavaScript/TypeScript, HTML, R, C/C++
Libraries/Platforms (progressively learning): React, D3.js, PyTorch, Sklearn, Numpy, Pandas
Research Skills: System development; Experiment design; Data analysis; Qualitative methods; LaTeX