

Ruishi (Ray) Zou

✉ ruzou@ucsd.edu | 💻 motion115.github.io | in ruzou | 🎓 Google Scholar

Education

University of California, San Diego

MS in Computer Science

HCI Depth Track: Usability of Programming Languages (Prof. Micheal Coblenz), Antisocial Computing (Prof. Kristen Vaccaro), Software Engineering (Prof. Micheal Coblenz)

La Jolla, CA, USA

2024 - Present

Tongji University

BE in Computer Science and Technology

Thesis Advisor: Prof. Hanli Wang

Thesis Title: *Cooking Tutorial Generation based on Video Analysis and a Mixed-initiative Interactive System*

Shanghai, China

2020 - 2024

Publication

* = equal contribution

Peer Reviewed Publications

GistVis: Automatic Generation of Word-scale Visualizations from Data-rich Documents 📄

CHI 2025

Ruishi Zou*, Yinqi Tang*, Jingzhu Chen, Siyu Lu, Yan Lu, Yingfan Yang, Chen Ye

In *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (CHI'25)*

🏆 Best Paper Honorable Mention recognition [Top 5% submission]

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

Designing Human-AI System for Legal Research: A Case Study of Precedent Search in Chinese Law

CHI 2025

Jiarui Guan*, Ruishi Zou*, Jiajun Zhang, Kimpan Xin, Bingsu He, Zhuhe Zhang, Chen Ye

In *Extended Abstracts of the 2025 CHI Conference on Human Factors in Computing Systems (CHI LBW)*

[Acceptance Rate: 32.8%]

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, In Submission Manuscripts and Work in Progress

Towards a Design Guideline for RPA Evaluation:

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A Survey of Large Language Model-Based Role-Playing Agents 📄

Chaoran Chen*, Bingsheng Yao*, Ruishi Zou, Wenye Hua, Weimin Lyu, Toby Jia-Jun Li, Dakuo Wang
(In submission)

Designing and Evaluating Sampling Strategies for Multiple-Forecast Visualization (MFV) 	-
Ruishu Zou , Siyi Wu, Bingsheng Yao, Dakuo Wang, Lace Padilla (In submission)	
Scrapbook: Supporting Writing Strategies for Incorporating Inspiration	-
Kimberly Do, Ruishu Zou , Vedant Das Swain, Bingsheng Yao, Youyang Hou, Dakuo Wang (In submission)	
CookingScape: A Human-AI System Supporting Personalized Learning from Instructional Cooking Videos	-
Ruishu Zou , Jingzhu Chen, Ruirui Sheng, Ziyu Chen, Hanli Wang (In revision)	

Professional Experience

Northeastern University , Human-AI Lab, Research Assistant Advisor: Prof. Dakuo Wang, Prof. Lace Padilla	Remote 10/2023 - Present
Tongji University , HCI Interest Group (Informal) - Student Researcher Advisor: Prof. Chen Ye, Prof. Hanli Wang	Hybrid 04/2023 - Present
Ant Group - Corporate Partnership (Front-end Engineer) Intern AntV Team	Shanghai, China 07/2023 - 09/2023
Carnegie Mellon University , Computer Music Lab - Research Intern Advisor: Prof. Roger B. Dannenberg	Remote 04/2023 - 09/2023
Tongji University , Intelligent Big Data Visualization Lab (iDVx) - Research Intern Advisor: Prof. Qing Chen	Shanghai, China 03/2022 - 09/2023

Professional Activities and External Service

- **Conference Attendance:** ACM CHI'25 (Planning), IEEE VIS'24 (Virtual), ACM UIST'23
- **Reviewer:** ACM CHI'25 Late-Breaking Work
- **Student Groups:** Tongji University Undergraduate Human-Computer Interaction Interest Group (Informal)

Awards and Honors

Best Paper Honorable Mention recognition (<i>top 5%</i>), ACM CHI'25	2025
Undergraduate Academic Star of College of Electronic and Information Engineering, Tongji University	2023
Third Prize , China Collegiate Computing Contest - HCI Innovation Competition 2023 (<i>top 3%</i>)	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 (<i>top 4%</i>)	2022
First-Class Scholarship , Tongji University Outstanding Student Scholarship, 2020 - 2021 Academic Year	2021

Skills

Programming Languages: JavaScript/TypeScript, Python, R, HTML, C/C++

Libraries/Platforms: React, D3.js, PyTorch, Sklearn, Numpy, Pandas

Research: System development; Experiment design; Data analysis; Quantitative/Qualitative methods; LaTeX