

# Ruishi Zou

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## Education

**University of California, San Diego**

MS in Computer Science

**La Jolla, CA, USA**

2024 - Present

**Tongji University**

BE in Computer Science and Technology

Thesis Advisor: Prof. Hanli Wang

**Shanghai, China**

2020 - 2024

Thesis Title: *Cooking Tutorial Generation based on Video Analysis and a Mixed-initiative Interactive System* [M.1]

## Publication

\* = equal contribution

### Peer Reviewed Publications

- [P.4] **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]
- [P.3] **Towards a Design Guideline for RPA Evaluation: A Survey of Large Language Model-Based Role-Playing Agents** 📄 ACL 2025  
Chaoran Chen\*, Bingsheng Yao\*, Ruishi Zou, Wenyue Hua, Weimin Lyu, Toby Jia-Jun Li, Dakuo Wang  
In *Findings of the Association for Computational Linguistics: ACL 2025*
- [P.2] **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*
- [P.1] **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)*

### Posters, Extended Abstract, and Workshop Papers

- [W.2] **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%]
- [W.1] **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

[M.4]	[In submission] Empowering Mental Health Clinicians with Multimodal Data Insights	-
	As co-first author	
[M.3]	[In submission] Creative Writing Support for Incorporating Inspiration	-
	As second author	
[M.2]	Designing and Evaluating Sampling Strategies for Multiple-Forecast Visualization (MFV) 	-
	Ruishi Zou, Siyi Wu, Racquel Fygenson, Bingsheng Yao, Michael Correll, Dakuo Wang, Lace Padilla	
[M.1]	CookingScape: A Human-AI System Supporting Personalized Learning from Instructional Cooking Videos	Undergrad Thesis
	Ruishi Zou, Jingzhu Chen, Ruirui Sheng, Ziyu Chen, Hanli Wang	

Awards and Honors

Research Awards

Best Paper Honorable Mention recognition, ACM CHI (top 5%) [P.4]	2025
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Scholarship & Other Honors

Undergraduate Academic Star of College of Electronic and Information Engineering, Tongji University	2023
Third Prize, 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

Professional Experience

Columbia University, SEA Lab, Visiting Student	New York, NY, USA
Advisor: Prof. Xuhai (Orson) Xu	05/2025 - Present
Northeastern University, Human-AI Lab, Visiting Student	Remote
Advisor: Prof. Dakuo Wang, Prof. Lace Padilla	10/2023 - Present
Tongji University, HCI Interest Group (Informal) - Student Researcher	Hybrid
Advisor: Prof. Chen Ye, Prof. Hanli Wang	04/2023 - Present
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

# Professional Activities and External Service

## Reviewer

ACM CHI Late-Breaking Work (LBW) × 2	2025
ACM Transactions on Computing for Healthcare (HEALTH) × 2	2025

## Community Engagement

### Student Volunteer

alt-FAccT @ NYC <i>[Locally organized, unofficial satellite conference of ACM FAccT]</i>	2025
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### Student Groups

Tongji University Undergraduate HCI Interest Group (Unofficial, peer-led group)	2023 - Present
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### Conference Attendance

alt-FAccT @ NYC <i>[Locally organized, unofficial satellite conference of ACM FAccT]</i>	alt-FAccT 2025
ACM CHI conference on Human Factors in Computing Systems (Presented [P.4][W.2])	CHI 2025
IEEE Visualization Conference (Featuring [P.1])	VIS 2024
ACM Symposium on User Interface Software and Technology (Presented [W.1])	UIST 2023

## Mentorship

### Undergraduate Research Mentees

Siyu Lu – Tongji University	2024 - Present
<i>Mentored Siyu in research and collaborated on multiple projects related to word-scale visualizations. [P.4]</i>	
Jingzhu Chen – Tongji University	2024 - 2025
<i>Mentored Jingzhu in research and collaborated on multiple projects in technical HCI. [P.4][M.1]</i>	
Jiarui Guan – Tongji University → MS @ Fudan University (starting 2026)	2024 - 2025
<i>Mentored Jiarui in research and collaborated on the human-AI system for legal applications project. [W.2]</i>	
Liangliang Chen – Tongji University → MS @ Tongji University (starting 2026)	2023 - 2025
<i>Mentored Liangliang in coursework and research, guided her first-authored ACL REALM 2025 workshop paper</i> <a href="#">[9]</a> .	

## Teaching

### University of California, San Diego

CSE 89: Introduction to Computer Science and Engineering Seminar	Fall 2025
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## 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