Ruishi Zou

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Education

2024 – 2026	**University of California, San Diego**	**La Jolla, CA, USA**
	M.S. in Computer Science	
2020 – 2024	**Tongji University**	**Shanghai, China**
	B.E. in Computer Science and Technology	
	Thesis: *Automatic Tutorial Generation based on Video Analysis and a Mixed-initiative Interactive System*	

Publications   ** = equal contribution*

Peer Reviewed Publications

[P.4]   GistVis: Automatic Generation of Word-scale Visualizations from Data-rich Documents 🗎

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

     CHI 2025 – In *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems*

     🏅 Best Paper Honorable Mention Award (Top 5%)

[P.3]   Towards a Design Guideline for RPA Evaluation: A Survey of Large Language Model-Based Role-Playing Agents 🗎

     Chaoran Chen*, Bingsheng Yao*, **Ruishi Zou**, Wenyue Hua, Weimin Lyu, Toby Jia-Jun Li, Dakuo Wang

     ACL 2025 – In *Findings of the Association for Computational Linguistics*

[P.2]   More Samples or More Prompts? Exploring Effective Few-Shot In-Context Learning for LLMs with In-Context Sampling 🗎

     Bingsheng Yao, Guiming Chen, **Ruishi Zou**, Yuxuan Lu, Jiachen Li, Shao Zhang, Yisi Sang, Sijia Liu, James Hendler, Dakuo Wang

     NAACL 2024 – In *Findings of the Association for Computational Linguistics*

[P.1]   Chart2Vec: A Universal Embedding of Context-Aware Visualizations 🗎

     Qing Chen, Ying Chen, **Ruishi Zou**, Wei Shuai, Yi Guo, Jiazhe Wang, Nan Cao

     IEEE TVCG – In *IEEE Transactions on Visualization and Computer Graphics*

Posters, Extended Abstract, and Workshop Papers

[W.2]   Designing Human-AI System for Legal Research: A Case Study of Precedent Search in Chinese Law 🗎

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

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

     [Acceptance Rate: 32.8%]

[W.1]   iTutor: A Generative Tutorial System for Teaching the Elders to Use Smartphone Applications 🗎

     Ruishi Zou, Zi Ye, Chen Ye

     UIST 2023 (Poster) – In *Adjunct Proceedings of the ACM Symposium on User Interface Software and Technology*

Preprints, In Submission Manuscripts, and Work in Progress

[M.4]   Project: Empowering Mental Health Clinicians with Multimodal Data Insights

     Ruishi Zou*, Shiyu Xu* ⋯

     CHI 2026 – In *submission*

[M.3]   Project: Creativity Support for Integrating Inspiration in Writing

     ⋯, **Ruishi Zou**, ⋯

     CHI 2026 – In *submission*

[M.2] Designing and Evaluating Sampling Strategies for Multiple-Forecast Visualization (MFV) 🗎
Ruishi Zou, Siyi Wu, Bingsheng Yao, Dakuo Wang, Lace Padilla
ArXiv – In *revision*

[M.1] CookingScape: A Human-AI System Supporting Personalized Learning from Instructional Cooking Videos
Ruishi Zou, Jingzhu Chen, Ruirui Sheng, Ziyu Chen, Hanli Wang
Undegraduate Thesis – *CHI-style writeup developed from the thesis*

Professional Experience

2025 – Present	**Columbia University, SEA Lab** – Visiting Student Advisor: Xuhai "Orson" Xu	New York, NY, USA
2023 – Present	**Northeastern University, HAI Lab** – Visiting Student Advisors: Dakuo Wang, Lace Padilla, Bingsheng Yao	Remote
2023 – Present	**Tongji University, HCI Student Interest Group** - Group Lead/Student Researcher Advisors: Chen Ye, Hanli Wang	Hybrid
2023	**Ant Group** – Frontend Engineering Intern AntV Team (AVA)	Shanghai, China
2023	**Carnegie Mellon University**, Computer Music Lab - Research Intern Advisor: Roger B. Dannenberg	Remote
2022 – 2023	**Tongji University, Intelligent Big Data Visualization Lab (iDVx)** - Research Intern Advisor: Qing Chen	Shanghai, China

Professional Activities and Service

Reviewer

Journal	ACM Transactions on Computing for Healthcare (HEALTH) × 2
Conference	ACM CHI (2025-26) • 2026 – Full papers × 4 • 2025 – Late-Breaking Work (LBW) × 2

Community Engagement

Student Volunteer

2025	**alt-FAccT** @ NYC

Conference Attendance

2025	**alt-FAccT** @ NYC **ACM CHI** @ Yokohama – <u>Presented</u> [P.4][W.2]
2024	**IEEE VIS** @ Virtual – Featuring [P.1], attended *Data Storytelling in an Era of Generative AI Workshop*
2023	**ACM UIST** @ San Francisco – <u>Presented</u> [W.1]

Leadership

2023 – Present	**HCI Student Interest Group** @ Tongji University Mentored 4 students and engaged over 10+ students in the peer-led interest group from research ideation to publication, resulting in 3 papers at top-tier venues and a competition award.

Teaching

2025 – 2026	**CSE 89: Intro to CSE Seminar (CSE-PACE)**, Teaching Assistant, University of California, San Diego Undergrad-level all-year course/program, 148 students Fall 2025 (Instructor: Mia Minnes)

Mentorship

2024 – Present	**Siyu Lu** – Tongji University *Mentored Siyu on multiple projects related to word-scale visualizations.* [P.4]
2024 – 2025	**Jingzhu Chen** – Tongji University *Mentored Jingzhu in on multiple projects in technical HCI.* [P.4][M.1]
2024 – 2025	**Jiarui Guan** – Tongji University → Master's @ Fudan University (2026) *Mentored Jiarui on the human-AI system for legal research project.* [W.2]
2023 – 2025	**Liangliang Chen** – Tongji University → Master's @ Tongji University (2026) *Mentored Liangliang on her first-authored ACL REALM 2025 workshop paper* 🗎 .

Awards and Honors

Research Awards

2025	**Best Paper Honorable Mention Award** (ACM CHI, top 5%) [P.4]

Scholarship & Other Honors

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

Skills

Programming	JavaScript/TypeScript, Python, R, HTML, C/C++
Libraries	React, D3.js, PyTorch, Scikit-Learn, Pandas
Tools	Git, LaTeX, Figma
Research	Prototyping, System development, Experiment design, Quantitative/Qualitative methods