

Curriculum Vitae

Shen Yihang (沈以航)

Current Position: Professor / PhD Supervisor, School of Information Science, Qinghe University

Lab: Intelligent Perception and Human-Computer Interaction Lab

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Research Interests

- Multimodal interaction and intelligent user interfaces
- Memory-anchored representations for structured human experience data
- Trustworthy and accountable human-AI collaboration
- Interaction techniques for sensemaking, visualization, and annotation

Education

Ph.D. in Information Science (Human-Computer Interaction), Tsinghai University, Beijing, China

Dissertation: "Interaction Techniques for Memory-anchored Multimodal Narratives"

B.Eng. in Computer Science, Tsinghai University, Beijing, China

Academic Positions

2018 – present Professor / PhD Supervisor, School of Information Science, Qinghe University

2014 – 2018 Associate Professor, School of Information Science, Qinghe University

2011 – 2014 Assistant Professor, Department of Computer Science, Qinghe University

Selected Publications (Peer-reviewed)

1. Shen, Y., Gu, D., Lin, L., et al. "Memory-anchored Multimodal Interaction for Structured Event Recall." Proceedings of CHI, 2025.
2. Shen, Y., et al. "Trustworthy Human-AI Co-creation under Ambiguous Signals." Patterns, 2024.
3. Shen, Y., Zhang, G., and colleagues. "Visual Interfaces for Temporal Fragmented Memories in Everyday Life Logging." ACM IUI, 2022.

4. Shen, Y. and Lin, L. "Designing Situated Prompts for Reflective Coding Practice." CSCW Companion, 2021.
5. Shen, Y. "Interaction Techniques for Multi-perspective Narrative Reconstruction." IEEE TVCG, 2020.

Grants & Projects

- PI, "Memory Visualization Interface for Structured Human Experience Data" (MemViz), Provincial Key R&D Program, 2023–2026.
- PI, "Trustworthy Multimodal Interaction for Clinical Decision Support", Qinghe City–University Joint Innovation Fund, 2022–2025.
- Co-PI, "Smart Campus Perception and Behavior Analytics Platform", National Key Lab of Intelligent Sensing, 2020–2023.

Teaching

- Trusted Human–Computer Interaction (graduate level)
- Intelligent User Interfaces and Interaction Design (undergraduate level)
- Research Methods in Interactive Systems (graduate seminar)

Student Supervision

PhD students supervised: 4 (2 graduated, 2 in progress)

Master students supervised: 18 (12 graduated)

Undergraduate research mentees: 20+ students through the Intelligent Perception and Interaction Lab.

Professional Service & Awards

- Program Committee Member: CHI, UIST, IUI, CSCW (various years).
- Associate Editor: Journal of Human–Computer Interaction (since 2023).
- Best Paper Award, ACM IUI 2022 (co-authored).
- Teaching Excellence Award, Qinghe University, 2021.