

Jiahao Xu

Curriculum Vitae

PhD Student, Computer Science | Virginia Tech

jiahao@vt.edu | jiahaox.com | github.com/jiahaoxu14

Research Interests

Visual analytics, human-AI collaboration, and spatial sensemaking. I develop interactive systems that help people verify and revise AI-generated information, and investigate how AI agents can interpret and act within shared 2D workspaces.

Education

Virginia Tech PhD in Computer Science & Applications, in progress Advisor: Chris North	Aug. 2023 – present Blacksburg, VA
Tufts University MS in Computer Science Advisor: Remco Chang	Jan. 2021 – May 2023 Medford, MA
Chang'an University BE in Computer Science and Technology Exchange study, University of California, Irvine	Sept. 2016 – June 2020 Xi'an, China Apr. – Oct. 2019

Publications

Peer-reviewed publications

- [1] **Jiahao Xu**, Wei Liu, Yang Liu, Eric Krokos, Kirsten Whitley, Xuan Wang, Rebecca Faust, and Chris North. Spatial Visual Analytics for Multi-Document Summary Verification. *IEEE VIS*, 2026. Full paper, accepted. [arXiv]
- [2] Yang Liu, Xuxin Tang, **Jiahao Xu**, and Chris North. Drag, Infer, Reproject: Grounding LLMs through Spatial Interaction for Image Clustering. *IEEE VIS*, 2026. Short paper, accepted. [arXiv]
- [3] Edward W. He, Vanessa Bellotti, Alexandra Scott, **Jiahao Xu**, Ashley Suh, Jen Rogers, and Remco Chang. The Effects of Belief Elicitation in Visual Data Analysis: A Longitudinal Classroom Study. *IEEE Transactions on Visualization and Computer Graphics*, 32(2):2379–2393, 2026. [DOI]

Preprints

- [4] Haohui Wang, **Jiahao Xu**, Wangzhi Zhan, Tong Zeng, Dongqi Fu, Hong Li, Swastik Roy, Naren Ramakrishnan, Chris North, Jian Kang, Yujun Yan, and Dawei Zhou. Overcoming Prior Barriers: Supervised Fine-Tuning under Long-Tail Distribution. *arXiv preprint*, 2026. arXiv:2610.12345

Teaching Experience

Virginia Tech CS 5764: Information Visualization CS 3724: Human-Computer Interaction	Teaching Assistant
Tufts University CS 178: Visual Analytics CS 170: Computational Theory CS 114: Network Security	Teaching Assistant