

YUAN TIAN

Ph.D. candidate at State Key Lab of CAD&CG, Zhejiang University

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EDUCATION

Ph.D. in Computer Science

State Key Lab of CAD&CG, Zhejiang University

Sep. 2022 – Present

B.Eng. in Computer Science

Chu Kochen Honors College, Zhejiang University

Sep. 2018 – June 2022

EXPERIENCE

Research Intern

Microsoft Research Asia

Dec. 2022 - Dec. 2023

- Worked on natural language-driven chart generation and automated data report generation.

PUBLICATIONS

First-Author Publications

- Y. Tian, W. Cui, D. Deng, X. Yi, and et al., "ChartGPT: Leveraging LLMs to generate charts from abstract natural language," *IEEE Transactions on Visualization and Computer Graphics*, 2024.
- Y. Tian, C. Zhang, X. Wang, S. Pan, and et al., "ReSpark: Leveraging previous data reports as references to generate new reports with LLMs," in *Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology (UIST)*, 2025.

Under Review & In Progress

- Y. Tian, D. Deng, S. Liang, R. Liu, and et al., "Visual diagnosis of social agents for the simulation of information diffusion networks," *In progress*, 2025.
- Y. Tian, D. Deng, S. Yang, H. Zheng, and et al., "NoteFlow: Recommending charts as sight glasses for tracing data flow in computational notebooks," *In progress*, 2025.

Other Publications

- S. Liu, D. Weng, Y. Tian, Z. Deng, and et al., "ECoalVis: Visual analysis of control strategies in coal-fired power plants," *IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS)*, 2022.
- S. Liu, Y. Tian, Z. Deng, W. Cui, and et al., "Relation-driven query of multiple time series," *IEEE Transactions on Visualization and Computer Graphics*, 2024.
- Z. Deng, D. Weng, S. Liu, Y. Tian, and et al., "A survey of urban visual analytics: Advances and future directions," *Computational Visual Media*, 2023.

BIOGRAPHY

I am currently a fourth-year Ph.D. candidate under the supervision of Prof. Dazhen Deng and Prof. Yingcai Wu. My research focuses on AI-assisted visual analytics, with a particular interest in using large language models (LLMs) to support data understanding and visualization generation.

AWARDS

- Outstanding Graduate Award**
Zhejiang University in 2022
- Outstanding Student**
Zhejiang University in 2021
- First-Class Scholarship**
Zhejiang University in 2021

SERVICES

Academic

- Reviewer** for PacificVis 2025
- Reviewer** for PacificVis 2026
- Reviewer** for Computers & Graphics

Teaching

- TA** in the International Visualization Summer School, 2024-2025, ZJU
- Coordinator & TA** in the International Visualization Summer School, 2023, ZJU
- Coordinator & TA** in Cross Media Visualization (21191590) and Information Visualization (21121280), 2023, ZJU