

Jiajun Zhu

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A motivated undergraduate researcher with experience in Data Visualization, HCI and Interface Design. Seeking PhD opportunities to further explore human-AI collaboration and data visualization.

Education

Chu Kochen Honors College, Zhejiang University 2022.09 – 2026.06
BS in Computer Science and Technology
 ◦ GPA: 3.87/4.00 (87.4/100)

Honors

- 2022.11 - 2023.11: **National Encouragement Scholarship**
- 2022.11 - 2024.11: **Scholarship of Zhejiang University**
- 2022.11 - 2023.11: **Lingjun Growth Scholarship Fund**
- 2023.05: Zhejiang University Innovation and Entrepreneurship Competition Bronze Award
- 2023.04: Zhejiang University Energy Conservation Technology Competition Second Prize

Publications

ViseGPT: Towards Better Alignment of LLM generated Data Wrangling Scripts and User Prompts **UIST 25**
(Accept)

Jiajun Zhu*, Xinyu Cheng*, Zhongsu Luo, Yunfan Zhou, Xinhuan Shu, Di Weng, Yingcai Wu

Ferry: Toward Better Understanding of Input/Output Space for Data Wrangling Scripts **VIS 24/TVCG**
(Accept)

Zhongsu Luo, Kai Xiong, **Jiajun Zhu**, Ran Chen, Xinhuan Shu, Di Weng, Yingcai Wu

Watchtower: Semantic-aware Authoring of Data Validation Rules **PacificVis 26**
(In submission)

Zhongsu Luo, Jiawen Zhu, Xinhuan Shu, Shuhan Liu, Xiwen Cai, Ran Chen, Kai Xiong, **Jiajun Zhu**, Di Weng, Yingcai Wu

AdaPT: Adaptive Lesson Plan Transformer for Cross-Regional and Differentiated Instruction **CHI 26**
(In submission)

Yanjie Zhang, **Jiajun Zhu**, Minyu Wu, Huamin Qu, Sicheng Song

Experience

Research Assistant 2023 – 2025
 IDG, ZJU, Hangzhou, Zhejiang, China

- Supervised by Prof. Yingcai Wu and Dr. Di Weng
- 2024.05 - 2025.05: Lead a project titled *Visualization for Understanding and Debugging of Complex Data Wrangling Scripts* funded by Zhejiang University under its Student Research Training Program (SRTP).
- 2023.07 - 2024.10: Participate in a research project focused on understanding data wrangling scripts. In this project, I was responsible for the full-stack development of a system named *Ferry*, participated in system design, and assisted in user study and supplementary material preparation.
- 2024.10 - 2025.04: Contribute to early-stage front-end development for a study titled *Watchtower* employing LLMs for data validation, which is currently under submission.
- 2024.11 - 2025.10: As the first author, I led the work titled *ViseGPT* aimed at enhancing the alignment between LLM-generated code and user prompts. The work was accepted and will be present at **UIST 2025** in Busan, South Korea. My contributions included paper writing, interface design, system development and final experiment.

Visiting Intern

2025.07 – 2025.12

VisLab, HKUST, Hong Kong, China

- Supervised by Prof. Huamin Qu
- 2025.07 - 2025.12: Participate in a QEF Project *AI-Assisted VR English Speaking Program* of HKUST VisLab, primarily responsible for conducting verbal analysis in the AI team. My work primarily involves applying machine learning methods and leveraging LLMs to process text and speech in the context of the DSE examination scenarios, as well as engineering and deploying the implemented functionalities. Our work on the current project has culminated in [GAVIS](#), which is now live as both a web application and a native mobile app.
- 2025.08 - 2025.12: Participate in a project aimed at addressing regional educational inequality by promoting LLM-powered lesson plan transformation. Primarily responsible for developing the interface of an intelligent lesson plan conversion system named *AdaPT* and contributed to the associated paper, which is currently under review.

Service

University Service

- 2023.09 - 2024.06:
Director of Publicity Department, Secretariat of CKC Honors College Alumni Association, ZJU
- 2022.09 - 2023.06:
Deputy Director of Innovation and Entrepreneurship Training Camp, ZJU
- 2022.09 - 2023.06:
Publicity Officer of Publicity Department, Secretariat of CKC Honors College Alumni Association, ZJU

Skills

Programming: Python, JavaScript/TypeScript, C/C++

Frontend & Visualization: Vue, React, D3.js, Vega-Lite, ECharts

Tools & Practices: Git, Full-Stack Development, RESTful APIs, Docker

AI/ML: LLM Prompt Engineering, Fine-tuning, Speech & Text Analysis