

ZHUOYI CHENG

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Research Interests

My current research delves into supporting better human–AI collaboration in the design process. I'm interested in topics related to Human–AI Interaction, Computer–Supported Cooperative Work (CSCW), Computer–Supported Collaborative Learning (CSCL), and Multimodal Interaction.

Education

Zhejiang University *College of Software Technology* Sep 2022 – Present

Master of Mechanical Engineering–Industrial Design Engineering

Advisor: Lingyun Sun

Zhejiang University *College of Computer Science and Technology* Sep 2018 – Jun 2022

Bachelor of Engineering in Industrial Design

GPA: 3.87/4.0

Publications & Manuscripts

Journal Papers

J1 **HierVid: Lowering the Barriers to Entry of Interactive Video Making with a Hierarchical Authoring System**

International Journal of Human–Computer Interaction

Weitao You, **Zhuoyi Cheng**, Zirui Ma, Guang Yang, Zhibin Zhou and Lingyun Sun

Manuscripts

M1 **An Exploratory Study on How AI's Awareness Impacts Human–AI Collaboration in Product Design**

Under review, submitted to *IUI* 2025

Zhuoyi Cheng, Pei Chen, Wenzheng Song, Hongbo Zhang, Zhuoshu Li and Lingyun Sun

M2 **CoExploreDS: Framing and Advancing Collaborative Design Space Exploration Between Human and AI**

Under review, submitted to *CHI* 2025

Pei Chen, Jiayi Yao, **Zhuoyi Cheng**, Yichen Cai, Jiayang Li, Weitao You and Lingyun Sun

M3 **Now You Know Me: Exploring the Adaptation and Application of Workspace Awareness Framework in Human–AI Design Collaboration**

Under review, submitted to *International Journal of Human–Computer Studies*

Zhuoyi Cheng, Pei Chen, Jiayi Yao and Lingyun Sun

Patent

P1 **Large Model–based Unified Expression and Reasoning Method of Multimodal Design Information**

Patent No.: ZL 2024 1 0734774.0, filed Aug 23, 2024

Pei Chen, Wenzheng Song, **Zhuoyi Cheng**, and Lingyun Sun

Experience

Undergraduate Intern

Jun 2021 – May 2022

Advisor: Kejun Zhang

NEXT Lab

Compilation Team: *Fundamentals of Information Product Design*

Aug 2020 – Nov 2020

Team leaders: Lingyun Sun and Weitao You

IDI

Honors & Awards

Outstanding Master Student *College of Software Technology*

2024

Excellent Academic Scholarship *College of Software Technology*

2023, 2024

Outstanding Undergraduate Thesis Award *College of Computer Science and Technology*

2022

Academic Scholarship *Zhejiang University*

2019

Fellowship for Academic Performance *Zhejiang University*

2019

Fellowship for Social Service *Zhejiang University*

2019

Academic Service

Reviewer

CHI 2025 Papers

Oct 2024

IUI 2025 Papers

Nov 2024