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 Human-AI Collaboration, Human-Computer Interaction (HCI), Conversational Agent, and Creativity Supporting Tools (CST).

Education

Zhejiang University *Sep 2022 – Present*
M.S. in Industrial Design Engineering
Advisor: Lingyun Sun

Zhejiang University *Sep 2018 – Jun 2022*
B.Eng 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

Manucripts

M2 **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

M1 **An Exploratory Study on How AI's Awareness Impacts Human-AI Collaboration in Product Design**
Under review, submitted to *The Design Journal*
Zhuoyi Cheng, Pei Chen, Wenzheng Song, Hongbo Zhang, Zhuoshu Li and Lingyun Sun

Patent

P1 **Large Model-based Unified Expression and Reasoning Method of Multimodal Design Information**
Patent No.: ZL 2024 1 0734774.0, issued 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

Excellent Academic Scholarship   *School of Software Technology*   *2023*
Outstanding Undergraduate Thesis Award   *College of Computer Science and Technology*   *2022*
Academic Scholarship   *Zhejiang University*   *2019*