

ZHUOYI CHENG

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Research Interests

My current research delves into supporting better collaboration with AI assistance, including augmenting human ability, mediating collaboration dynamics, and assisting collaborative tasks. I'm interested in topics related to Human-AI Collaboration, Computer-Supported Cooperative Work (CSCW), and Adaptive Agent.

Education

Eindhoven University of Technology Sep 2025 - Present

PhD Candidate, Department of Industrial Design

Advisor: Steven Houben

Zhejiang University Sep 2022 - Mar 2025

Master of Mechanical Engineering (Industrial Design Engineering)

Advisor: Lingyun Sun

Thesis: Research on the Construction and Application of Workspace Awareness Framework in Human-AI Collaborative Design

Zhejiang University 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, Volume 40, 2024 - Issue 22

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

Conference Papers

C3 **CoExploreDS: Framing and Advancing Collaborative Design Space Exploration Between Human and AI**

CHI 2025

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

C2 **An Exploratory Study on How AI's Awareness Impacts Human-AI Collaboration in Product Design**

IUI 2025

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

C1 **EcoSprout: A Smart Modular Toy for Engaging Children in AFNR Education**

2024 17th International Symposium on Computational Intelligence and Design (ISCID)

Xini Wu, **Zhuoyi Cheng**, Zihao Wang, Xuan Duan, Mingyan Wang, Yuge Qi and Ning Zou

Others

O1 Transitioning Focus: Viewing Human–AI Collaboration as Mixed–focus Collaboration

CHI 2025 Late Breaking Work

Zhuoyi Cheng, Pei Chen, Yiwen Ren, Wenzheng Song and Lingyun Sun

Experience

Undergraduate Intern	<i>Jun 2021 – May 2022</i>
Advisor: Kejun Zhang	NEXT Lab
Compilation Team: <i>Fundamentals of Information Product Design</i>	<i>Aug 2020 – Nov 2020</i>
Team leaders: Lingyun Sun and Weitao You	IDI

Honors & Awards

Outstanding Graduates	<i>Zhejiang University</i>	2025
Special Recognitions for Outstanding Reviews	ACM IUI	2025
Outstanding Master Student	<i>College of Software Technology</i>	2024
Excellent Academic Scholarship	<i>College of Software Technology</i>	2023, 2024
Outstanding Undergraduate Thesis Award	<i>College of Computer Science and Technology</i>	2022
Academic Scholarship	<i>Zhejiang University</i>	2019
Fellowship for Academic Performance	<i>Zhejiang University</i>	2019
Fellowship for Social Service	<i>Zhejiang University</i>	2019

Academic Service

Reviewer	
ACM Creativity & Cognition 2025	<i>Feb 2025</i>
ACM CHI 2025 Late Breaking Work	<i>Feb 2025</i>
ACM IUI 2025 Papers	<i>Nov 2024</i>
ACM CHI 2025 Papers	<i>Oct 2024</i>