# 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 Collaboration, Computer-Supported Cooperative Work (CSCW), Computer-Supported Collaborative Learning (CSCL), and Adaptive Agent.

## Education

**Zhejiang University**                                                                              *Sep 2022 – Present*
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*, to appear
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*, to appear
**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)*, to appear
Xini Wu, **Zhuoyi Cheng,** Zihao Wang, Xuan Duan, Mingyan Wang, Yuge Qi and Ning Zou

### Manucripts

**M2** **Transitioning Focus: Viewing Human-AI Collaboration as Mixed-focus Collaboration**

*CHI 2025 Late Breaking Work*, under review

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

**M1** **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

## Experience

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|---|---|
| **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

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|---|---|
| Outstanding Graduates    *Zhejiang University* | *2025* |
| Special Recognitions for Outstanding Reviews    *ACM IUI* | *2025* |
| 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**

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|---|---|
| ACM Creativity & Cognition 2025 | *Feb 2025* |
| ACM CHI 2025 Late Breaking Work | *Feb 2025* |
| ACM IUI 2025 Papers | *Nov 2024* |
| ACM CHI 2025 Papers | *Oct 2024* |