

Zihao ZHU

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EDUCATION

City University of Hong Kong

Doctor of Philosophy in Computer Science

Sep. 2024 – Present

Hong Kong

- Supervisor: Prof. Yuhao Luo
- Research Focus: Human-AI Interaction for Productivity and Well-being

The Hong Kong University of Science and Technology (Guangzhou)

Master of Philosophy in Computational Media and Arts

Sep. 2022 – Aug. 2024

Guangzhou / Hong Kong

- Supervisors: Prof. Pan Hui, Prof. Wei Zeng
- Research Focus: Human-Computer Interaction, Extended Reality (XR) for Education

Beijing University of Posts and Telecommunications

Bachelor of Engineering in E-commerce with Law

Sep. 2018 – Jun. 2022

Beijing

- Core Courses: Data Structures, Databases, Data Mining, C Programming, Internet Protocols

PUBLICATIONS

* Equal contribution. [C] Conference [J] Journal [EA] Extended Abstract / Demo / WiP

- C4 **Zihao Zhu**, Junnan Yu, Yuhao Luo. Scaffolding Metacognition with GenAI: Exploring Design Opportunities to Support Task Management for University Students with ADHD. *Proc. of the ACM Conference on Human Factors in Computing Systems (CHI '26)*.
- EA2 Le Lin, **Zihao Zhu**, Rainbow Tin Hung Ho, Jing Liao, Yuhao Luo. Exploring a Multimodal Chatbot as a Facilitator in Therapeutic Art Activity. *Proc. of the ACM Designing Interactive Systems Conference (DIS '26) Work-in-Progress*.
- J1 Zhuoyang Li*, **Zihao Zhu***, Xinling Gui, Yuhao Luo. “This is Human Intelligence Debugging Artificial Intelligence”: Examining How People Prompt GPT in Seeking Mental Health Support. *International Journal of Human-Computer Studies (IJHCS '25)*.
- C3 **Zihao Zhu**, Ao Yu, Xin Tong, Pan Hui. Exploring LLM-Powered Role and Action-Switching Pedagogical Agents for History Education in Virtual Reality. *Proc. of the ACM Conference on Human Factors in Computing Systems (CHI '25)*.
- EA1 Xinyi Luo, **Zihao Zhu**, Yuyang Wang, Pan Hui. ARCam: A User-Defined Camera for AR Photographic Art Creation. *IEEE Conference on Virtual Reality and 3D User Interfaces (IEEE VR '23) Demo*.
- C2 Yi Li, Yilun Jin, Guojie Song, **Zihao Zhu**, Chuan Shi, Yiming Wang. GraphMSE: Efficient Meta-path Selection in Semantically Aligned Feature Space for Graph Neural Networks. *Proc. of the AAAI Conference on Artificial Intelligence (AAAI '21)*.
- C1 Yihao Zuo, Junli Yang, **Zihao Zhu**, Ruizhe Li, Yuhao Zhou, Yutong Zheng. Real-Time Semantic Segmentation of Aerial Videos Based on Bilateral Segmentation Network. *Proc. of the IEEE International Geoscience and Remote Sensing Symposium (IGARSS '21)*.

SELECTED SYSTEMS & PROTOTYPES

S3 MetaPlan

Contributors: Zihao Zhu, Yuhao Luo

- A Windows-based GenAI task-management prototype for university students with ADHD, supporting metacognitive regulation across task initiation, execution, and reflection through GenAI support, behavioral-data visualizations, and reflective conversations.
- Designed a cross-stage memory mechanism that carries forward users’ preferences, strategies, and intended adjustments across tasks, enabling more continuous and personalized task support.

S2 ChronoGuide

Contributors: Zihao Zhu, Ao Yu, Xin Tong, Pan Hui

- An LLM-powered VR pedagogical agent prototype that switches between historical roles based on users' spoken input and selects appropriate actions based on generated content and the current interaction context.
- Users interact with a continuously accompanying pedagogical agent in a virtual reconstruction of the Pavilion of Prince Teng, receiving context-aware explanations from different historical perspectives.

S1 MetaHKUST

Contributors: Jin Shan, Xuetong Wang, **Zihao Zhu**, Zihao Fu, Pan Hui

- A cross-campus digital-twin classroom connecting HKUST's Clear Water Bay and Guangzhou campuses, integrating 3D CAVE, head-mounted displays, and optical and inertial motion capture to support remote embodied interaction.
- Contributed to the project by developing and integrating the 3D CAVE and motion-capture systems and implementing demonstration features for the VR prototype.

PATENTS

XRedu: An XR Educational Platform for Learning

ID: CN117055996A

Yuyang Wang, Xinyi Luo, Shan Jin, **Zihao Zhu**, Pan Hui

INTERNSHIP EXPERIENCE

Meituan

Jan. 2022 – Jun. 2022

Data Product Manager Intern, Customer Experience Department

Beijing

- Responsible for making special thematic Kanban around three scenarios: product quality, out-of-stock, and late delivery, to assist managers and frontline staff in quickly and accurately locating and managing problems.
- Investigated the data analysis needs of managers and front-line business personnel, determined the quality calendar system structure and functions around product categories, returns, and judgment scenarios, and increased process efficiency by 30% after the product was launched.

Xiaomi Corporation

Jan. 2021 – Mar. 2021

Data Analysis Intern, Internet Business Department

Beijing

- Responsible for the analysis of Xiaomi video sales and traffic data through data extraction, modeling, analysis, and visualization, to provide decision support for product design and operation.
- Using the funnel model to analyze the whole process of user experience, we cooperated with the operator and adopted different operation methods to stratify users according to their purchasing behavior, frequency, and amount. Increased the conversion rate of users from the home page to the long-video module from 13% to 19%.

HONORS & AWARDS

CityUHK Research Tuition Scholarship

Sep. 2025

BUPT Student Innovation and Entrepreneurship Achievement Exhibition

First Prize

Jun. 2021

“Challenge Cup” Capital University Students' Extracurricular Academic Science and Technology Works Competition

Second Prize

May 2021

China International College Students' “Internet+” Innovation and Entrepreneurship Competition

National Silver Award

Nov. 2020

“Challenge Cup” Capital College Student Business Plan Competition

Silver Award

Sep. 2020

BUPT Merit Scholarship (3 times)

2019–2021

TEACHING

Lab Tutor

CS1102: Introduction to Computer Studies	Fall 2025
CS2204: Fundamentals of Internet Applications Development	Spring 2026

Teaching Assistant

CS1102: Introduction to Computer Studies	Fall 2024
CS2204: Fundamentals of Internet Applications Development	Spring 2025

ACADEMIC SERVICE

Reviewer

CHI 2025, CHI 2025 LBW, CHI 2025 SRC, CHI 2026, DIS 2026

Student Volunteer Chair

GBA Pre-CHI 2025