

# YANZHE CHEN

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## EDUCATION

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**Peking University** (Master of Science) *Sep. 2022 – Jun. 2025*  
Academy for Advanced Interdisciplinary Studies (AAIS) Beijing, China

**Research Interests:** Multi-modal Learning and Computer Vision

**Advisor:** Prof. Yuxin Peng

**Wuhan University** (Bachelor of Engineering) *Aug. 2018 – Jun. 2022*  
School of Computer Science Wuhan, China

**GPA:** 3.96/4.00 (**Major ranking:** 1/272)

## PUBLICATIONS & MANUSCRIPTS

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- Yanzhe Chen**, Jinglin Xu, Zhiwen Yang, Yuxin Peng  
FashionMT: A Retrospective-based Dataset for Multi-turn Fashion Image Retrieval  
Submitted to *Conference on Neural Information Processing Systems (NeurIPS 2024)*
- Yanzhe Chen**, Huasong Zhong, Xiangteng He, Yuxin Peng, Jiahuan Zhou, Lele Cheng  
FashionERN: Enhance-and-Refine Network for Composed Fashion Image Retrieval  
*AAAI Conference on Artificial Intelligence (AAAI 2024)*
- Yanzhe Chen**, Huasong Zhong, Xiangteng He, Yuxin Peng, Lele Cheng  
Real20M: A Large-scale E-commerce Dataset for Cross-domain Retrieval  
*ACM Multimedia Conference (ACM MM 2023)*
- Yanzhe Chen**, Jiahuan Zhou, Yuxin Peng  
SPIRIT: Style-guided Patch Interaction for Fashion Image Retrieval with Text Feedback  
*Transactions on Multimedia Computing, Communications and Applications (TOMM 2024)*
- Yanzhe Chen**, Jinglin Xu, Yuxin Peng  
Complication-guided Pairwise Interaction for Fine-Grained Chest X-ray Image Classification  
Submitted to *Computer Vision and Information Technology (CVIT 2024)*
- Yanzhe Chen**, HsiaoYuan Hsu, James Ye, Zhiwen Yang, Xiangteng He, Yuxin Peng  
PKU\_WICT at TRECVID 2022: Disaster Scene Description and Indexing Task  
*Champion's Technical Report of TREC Video Retrieval Evaluation (TRECVID 2022)*

## RESEARCH EXPERIENCE

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**Peking University** *Sep. 2022 – Jun. 2025*  
Postgraduate Student Advisor: Prof. Yuxin Peng & Jiahuan Zhou & Yang Liu  
Mainly focusing on multi-modal representation and generation, particularly video-to-image retrieval, video-text pre-training, multi-modal fusion retrieval, and virtual try-on generation.

**Kuaishou Technology** *Dec. 2022 – Jun. 2025*  
Research Intern Mentor: Huasong Zhong & Lele Cheng  
Undertaking independently a collaborative project with Kuaishou Technology, focusing on fine-grained product retrieval in short videos, applied within the Kuaishou app.

## SELECTED HONORS

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- National Scholarship, Wuhan University, 2020
- Excellent Undergraduate Graduate & Outstanding Thesis, Wuhan University, 2022