

RUI XIAO

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EDUCATION

Ph.D. Candidate <i>Topic: Multi-modal Learning</i> Technical University of Munich Advisor: Prof. Dr. Zeynep Akata	Mar. 2025 – Current Munich, Germany
Master of Science <i>Major: Robotics, Cognition, Intelligence</i> Technical University of Munich GPA: 1.4/1.0	Oct. 2021 – Oct. 2024 Munich, Germany
Bachelor of Engineering <i>Major: Automotive Engineering</i> Jilin University GPA: 90.28/100 Ranking: 1/31	Sep. 2017 – Jul. 2021 Changchun, China

PUBLICATIONS

FINER: MLLMs Hallucinate under Fine-grained Negative Queries <i>Rui Xiao, Sanghwan Kim, Yongqin Xian, Zeynep Akata, Stephan Alaniz</i> CVPR, 2026, Oral (award candidate)
Training-free Uncertainty Guidance for Complex Visual Tasks with MLLMs <i>Sanghwan Kim, Rui Xiao, Stephan Alaniz, Yongqin Xian, Zeynep Akata</i> ECCV, 2026, Poster
FLAIR: VLM with Fine-grained Language-informed Image Representations <i>Rui Xiao, Sanghwan Kim, Iuliana Georgescu, Zeynep Akata, Stephan Alaniz</i> CVPR, 2025, Poster
COSMOS: Cross-Modality Self-Distillation for Vision Language Pre-training <i>Sanghwan Kim, Rui Xiao, Iuliana Georgescu, Stephan Alaniz, Zeynep Akata</i> CVPR, 2025, Poster
SCOPE: Structural Continuity Preservation for Retinal Vessel Segmentation <i>Yousef Yeganeh*, Göktuğ Güvercin*, Rui Xiao*, Amr Abuzer, Ehsan Adeli, Azade Farshad, Nassir Navab</i> MICCAI 2023 GRAIL Workshop, 2023, Oral

WORK EXPERIENCE

Self-supervised Tumor Inpainting and Segmentation in CT-PET Data TUM CAMP & ABX - HiWi project in collaboration with TUM CAMP and ABX. - Implemented a Gated-Convolutional UNet for CT-PET data inpainting. [Code]	Jul. 2023 – Mar. 2024 Prof. Thomas Wendler
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HONORS AND AWARDS

University Excellent Student for 3 consecutive years Top 5%	Jul. 2018 – Jul. 2021
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ACADEMIC SERVICE

Reviewer International Journal of Computer Vision (IJCV), CVPR 2026, ECCV 2026	2025 – Current
Student Organizer Workshop on Knowledge-intensive Multimodal Reasoning CVPR 2026 ICCV 2025	2025 – 2026

RELATED SKILLS

Programming: Python, PyTorch, Git
Languages: Chinese (Native), Cantonese (Native), English (C1), German (C1)