

Hanqing Wang

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EDUCATION

B.S. in Computer Science

Beijing Institute of Technology (BIT), Beijing, China

Sep 2013 - Jun 2017

M.S. in Computer Science

Beijing Institute of Technology (BIT), Beijing, China , **Advisor:** Prof. Wei Liang

Sep 2017 - Jun 2018

Ph.D. in Computer Science

Beijing Institute of Technology (BIT), Beijing, China , **Advisor:** Prof. Wei Liang

Sep 2018 - Jun 2023

Visiting Ph.D. Student

ETH Zurich, Zurich, Switzerland , **Advisor:** Prof. Luc Van Gool

Sep 2021 - Jun 2023

PROFESSIONAL EXPERIENCE

Research Intern

Microsoft Research Asia (MSRA), Beijing, China, **Advisor:** Dr. Jiaolong Yang

Mar 2017 - Nov 2017

Research Intern

Inception Institute of Artificial Intelligence (IIAI), Abu Dhabi, UAE, **Advisor:** Prof. Jianbing Shen

Jul 2019 - Apr 2020

RESEARCH INTERESTS

Deep Reinforcement Learning, Embodied AI, Vision+X

PROGRAMMING SKILLS

Programming Languages

C/C++, Java, Python, \LaTeX

Frameworks

PyTorch, TensorFlow

SELECTED PUBLICATIONS

Chuanqi Zang, **Hanqing Wang**, Mingtao Pei, Wei Liang, Discovering the Real Association: Multimodal Causal Reasoning in Video Question Answering, *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2023

Hanqing Wang, Wenguan Wang, Wei Liang, Steven C. H. Hoi, Jianbing Shen, Luc Van Gool, Active Perception for Visual-Language Navigation, *International Journal of Computer Vision (IJCV)*, 2023

Hanqing Wang, Wei Liang, Luc Van Gool, Wenguan Wang, Towards Versatile Embodied Navigation, *Conference on Neural Information Processing Systems (NeurIPS)*, 2022

Hanqing Wang, Wei Liang, Jianbing Shen, Luc Van Gool, Wenguan Wang, Counterfactual Cycle-Consistent Learning for Instruction Following and Generation in Vision-Language Navigation, *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022

Hanqing Wang, Wenguan Wang, Wei Liang and Jianbing Shen, Structured Scene Memory for Vision-Language Navigation, *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021

Hanqing Wang, Wei Liang and Lap-Fai Yu, Scene Mover: Automatic Move Planning for Scene Arrangement by Deep Reinforcement Learning, *ACM Transactions on Graphics (ToG)*, 2020

Hanqing Wang, Wenguan Wang, Tianmin Shu, Wei Liang, and Jianbing Shen, Active Visual Information Gathering for Vision-Language Navigation, *Proceedings of the European conference on Computer Vision (ECCV)*, 2020

Hanqing Wang, Jiaolong Yang, Wei Liang and Xin Tong, Deep Single-View 3D Object Reconstruction with Visual Hull Embedding, *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 2019

Hanqing Wang, Wei Liang and Lap-Fai Yu, Transferring Objects: Joint Inference of Container and Human Pose, *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*, 2017

AWARDS

3rd Prize of Innovation Scholarship	<i>Mar 2017</i>	Ministry of Industry and Information Technology of the People's Republic of China
Award of Most Creative	<i>Sep 2017</i>	Microsoft Hackathon 2017, Microsoft
Award of Excellence	<i>Nov 2017</i>	Stars of Tomorrow Internship Program, Microsoft Research Asia
3rd Place in the HABITAT Challenge 2020	<i>Jun 2020</i>	Facebook AI Research
National Scholarship	<i>Oct 2021</i>	Ministry of Education of the People's Republic of China

PROFESSIONAL SERVICES

Conference	CVPR, ECCV, ICCV, NeurIPS, AAAI, IJCAI,	Journal	IEEE T-PAMI, IJCV, IEEE VR, PR
Reviewer	TVCG, SIGGRAPH	Reviewer	