

Hanqing Wang

Email: hanqingwang@bit.edu.cn | Beijing, Haidian District, China | <https://hanqingwangai.github.io>

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

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 Navigation, Sequential Planning

PROGRAMMING SKILLS

Programming Languages

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

Frameworks

PyTorch, TensorFlow

SELECTED PUBLICATIONS

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, Wenguan Wang, Wei Liang and Jianbing Shen, Learning to Execute Navigation Instructions through Active Visual Information Gathering, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2020 (Under Review)

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 Mar 2017

Ministry of Industry and Information Technology of the People's Republic of China

Award of Most Creative Sep 2017

Microsoft Hackathon 2017, Microsoft

Award of Excellence Nov 2017

Stars of Tomorrow Internship Program, Microsoft Research Asia

3rd Place in the HABITAT Challenge 2020 Jun 2020

Facebook AI Research