

# Ziqi Huang

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## Summary

Ziqi Huang is a Ph.D. candidate at [MMLab@NTU](#), supervised by [Prof. Ziwei Liu](#). She works on deep learning, world models, generative models, and visual generation and evaluation. Her works have been published in top venues such as CVPR, ICCV, ECCV, SIGGRAPH Asia, ACL, ICLR, NeurIPS, TPAMI, and IJCV. Ziqi is fortunate to have internships at Meta Superintelligence Labs (MSL) and ByteDance AI Lab, and collaborations with Netflix and Shanghai AI Lab.

She is a recipient of the **Microsoft Research Fellowship** (2026), **Apple Scholars in AI/ML PhD Fellowship** (2025), **Google PhD Fellowship** (2023), and **Lee Kuan Yew Gold Medal** (2022). Projects she leads have received the **SAC Highlights Award** at ACL 2025 and the **Outstanding Paper Award** at ICCV 2025 Workshop.

## Education

### Nanyang Technological University (NTU)

Singapore

*Ph.D. (Advisor: Prof. Ziwei Liu); GPA: 4.92/5.00*

*Aug 2022 – Present*

*College of Computing and Data Science (CCDS)*

*Topic: Visual Content Generation and Editing via Deep Learning*

### Nanyang Technological University (NTU)

Singapore

*B.E. in Information Engineering and Media; GPA: 5.00/5.00, ranking: 1*

*Aug 2018 – May 2022*

*School of Electrical and Electronic Engineering*

## Awards & Achievements

Microsoft Research Fellowship	2026
ICCV 2025 KnowledgeMR Workshop Outstanding Paper Award <a href="#">[link]</a>	2025
ACL 2025 SAC Highlights Award (47 out of 8350) <a href="#">[link]</a>	2025
2025 Apple Scholars in AI/ML PhD Fellowship <a href="#">[link]</a>	2025
ECCV 2024 Outstanding Reviewer <a href="#">[link]</a>	2024
Google PhD Fellowship 2023 <a href="#">[link]</a>	2023
Outstanding Reviewer for ICCV 2023 CVEU Workshop <a href="#">[link]</a>	2023
University Teaching for Teaching Assistants Certificate	2023
NTU Ph.D. Research Scholarship	2022
The Global Undergraduate Award (Asia Regional Winner) <a href="#">[link]</a>	2022
Lee Kuan Yew Gold Medal (Top 1 in Undergraduate Cohort) <a href="#">[link]</a>	2022
NTU President Research Scholar	2020 & 2021
Dean's List (School of Electrical and Electronic Engineering)	2019 & 2022
NTU Science and Engineering Undergraduate Scholarship	2018

## Industry Experience (Internship and Project Collaborations)


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<b>Meta Superintelligence Labs (MSL)</b> <i>Research Scientist Intern</i>	Menlo Park, Bay Area, United States Jun 2025 - Oct 2025
<b>Netflix</b> <i>Generative AI Research Project</i>	Los Angeles, United States (Remote) Feb 2025 - Jun 2025
<b>Shanghai AI Laboratory</b> <i>Research Project Lead (Video Generation and Evaluation)</i>	Shanghai, China (Remote) Apr 2023 - Dec 2024
<b>ByteDance AI Lab</b> <i>Computer Vision Algorithm Engineer Intern</i>	Singapore May 2021 - Aug 2021
<b>Institute for Infocomm Research (I2R), A*STAR</b> <i>Computer Vision Research Intern</i>	Singapore May 2020 - Dec 2020
<b>Aithent Inc.</b> <i>User Interface / User Experience Intern</i>	New York, United States May 2019 - Jun 2019

## Publications

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Underline denotes first author, co-first author, or project lead.

 [Google Scholar](#) - Citations: 3000+, h-index: 13, i10-index: 15 (as of 2026 Mar)

[Scopus ID](#) - Field-Weighted Citation Impact (FWCI): 13+ (as of 2026 Mar)

### Conference

- [1] Ziqi Huang<sup>\*</sup>, Yinan He<sup>\*</sup>, Jiashuo Yu<sup>\*</sup>, Fan Zhang<sup>\*</sup>, Chenyang Si, Yuming Jiang, Yuanhan Zhang, Tianxing Wu, Qingyang Jin, Nattapol Chanpaisit, Yaohui Wang, Xinyuan Chen, Limin Wang, Dahua Lin<sup>✉</sup>, Yu Qiao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> (\* equal contributions, <sup>✉</sup> corresponding authorship)  
“VBench: Comprehensive Benchmark Suite for Video Generative Models”  
in Computer Vision and Pattern Recognition (CVPR), 2024 (**Highlight**), Citations: 1200+  
[\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#) [\[Leaderboard\]](#)
- [2] Ziqi Huang, Ning Yu<sup>†✉</sup>, Gordon Chen, Haonan Qiu, Paul Debevec, Ziwei Liu<sup>✉</sup> († project lead, <sup>✉</sup> corresponding)  
“VChain: Chain-of-Visual-Thought for Reasoning in Video Generation”  
in Annual Meeting of the Association for Computational Linguistics (ACL), 2026 (Findings Paper)  
International Conference on Computer Vision (ICCV) Workshop, 2025, **Oral** and **Outstanding Paper Award**  
[\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#)
- [3] Ziqi Huang, Kelvin C.K. Chan, Yuming Jiang, Ziwei Liu  
“Collaborative Diffusion for Multi-Modal Face Generation and Editing”  
in Computer Vision and Pattern Recognition (CVPR), 2023 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#)
- [4] Ziqi Huang<sup>\*</sup>, Tianxing Wu<sup>\*</sup>, Yuming Jiang, Kelvin C.K. Chan, Ziwei Liu (\* equal contributions)  
“ReVersion: Diffusion-Based Relation Inversion from Images”  
in SIGGRAPH Asia 2024 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#) [\[Huggingface\]](#)
- [5] Ziqi Huang, Hongyuan Zhu, Ying Sun, Dongkyu Choi, Cheston Tan, Joo-Hwee Lim  
“A Diagnostic Study of Visual Question Answering with Analogical Reasoning”  
in International Conference on Image Processing (ICIP), 2021 [\[Paper\]](#) [\[Video\]](#)
- [6] Fan Zhang<sup>\*</sup>, Shulin Tian<sup>\*</sup>, Ziqi Huang<sup>†\*</sup>, Yu Qiao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> († project lead, \* equal contributions, <sup>✉</sup> corresponding authorship)  
“Evaluation Agent: Efficient and Promptable Evaluation Framework for Visual Generative Models”  
in Annual Meeting of the Association for Computational Linguistics (ACL), 2025 (Main)  
**Oral** and **SAC Highlights Award** (47 out of 8350) [\[Paper\]](#) [\[Code\]](#) [\[Website\]](#) [\[Video\]](#)

- [7] Kai Zou\*, **Ziqi Huang**‡\*, Yuhao Dong\*, Shulin Tian, Dian Zheng, Hongbo Liu, Jingwen He, Bin Liu<sup>✉</sup>, Yu Qiao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> (§ project lead, \* equal contributions, <sup>✉</sup> corresponding authorship)  
 “Uni-MMMU : A Massive Multi-discipline Multimodal Unified Benchmark”.  
 in Annual Meeting of the Association for Computational Linguistics (ACL), 2026 (Main Conference) (Oral)  
[\[Paper\]](#) [\[Code\]](#) [\[Website\]](#)
- [8] Yuming Jiang\*, **Ziqi Huang**\*, Xingang Pan, Chen Change Loy, Ziwei Liu (\* equal contributions)  
 “Talk-to-Edit: Fine-Grained Facial Editing via Dialog”.  
 in International Conference on Computer Vision (ICCV), 2021 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#) [\[Dataset\]](#)
- [9] Chenyang Si, **Ziqi Huang**, Yuming Jiang, Ziwei Liu  
 “FreeU: Free Lunch in Diffusion U-Net”.  
 in Computer Vision and Pattern Recognition (CVPR), 2024 (Oral) [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#) [\[Huggingface\]](#)
- [10] Qian Wang, **Ziqi Huang**, Ruoxi Jia, Paul Debevec, Ning Yu  
 “MAViS: A Multi-Agent Framework for Long-Sequence Video Storytelling”.  
 in European Chapter of the Association for Computational Linguistics (EACL), 2026 (Main Conference) [\[Paper\]](#)
- [11] Gordon Chen, **Ziqi Huang**, Cheston Tan, Ziwei Liu  
 “Stencil: Subject-Driven Generation with Context Guidance”.  
 in International Conference on Image Processing (ICIP), 2025 (Spotlight) [\[Paper\]](#) [\[Code\]](#) [\[Website\]](#)
- [12] Jing Lin\*, Ruisi Wang\*, Junzhe Lu\*, **Ziqi Huang**, Guorui Song, Ailing Zeng, Xian Liu, Chen Wei, Wanqi Yin, Qingping Sun, Zhongang Cai‡, Lei Yang, Ziwei Liu (§project lead, \* equal contributions)  
 “The Quest for Generalizable Motion Generation: Data, Model, and Evaluation”.  
 in International Conference on Learning Representations (ICLR), 2026 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#)
- [13] Leon Liangyu Chen, Haoyu Ma, Zhipeng Fan, **Ziqi Huang**, Animesh Sinha, Xiaoliang Dai, Jialiang Wang, Zecheng He, Jianwei Yang, Chunyuan Li, Junzhe Sun, Chu Wang, Serena Yeung-Levy, Felix Juefei-Xu  
 “UniT: Unified Multimodal Chain-of-Thought Test-time Scaling”.  
 in Computer Vision and Pattern Recognition (CVPR), 2026 [\[Paper\]](#)
- [14] Ao Liang\*, Lingdong Kong‡\*, Tianyi Yan\*, Hongsi Liu\*, Wesley Yang\*, **Ziqi Huang**, Wei Yin, Jialong Zuo, Yixuan Hu, Dekai Zhu, Dongyue Lu, Youquan Liu, Guangfeng Jiang, Linfeng Li, Xiangtai Li, Long Zhuo, Lai Xing Ng, Benoit R. Cottureau, Changxin Gao, Liang Pan, Wei Tsang Ooi, Ziwei Liu<sup>✉</sup> (\* equal contributions, ‡: project lead, <sup>✉</sup> corresponding authorship)  
 “WorldLens: Full-Spectrum Evaluations of Driving World Models in Real World”.  
 in Computer Vision and Pattern Recognition (CVPR), 2026 [\[Paper\]](#) [\[Code\]](#) [\[Website\]](#) [\[Leaderboard\]](#)
- [15] Tianxing Wu, Chenyang Si, Yuming Jiang, **Ziqi Huang**, Ziwei Liu  
 “FreeInit : Bridging Initialization Gap in Video Diffusion Models”.  
 in European Conference on Computer Vision (ECCV), 2024 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#) [\[Huggingface\]](#)
- [16] Jingwen He, Hongbo Liu, Jiajun Li, **Ziqi Huang**, Yu Qiao, Wanli Ouyang, Ziwei Liu  
 “Cut2Next: Generating Next Shot via In-Context Tuning”.  
 in SIGGRAPH Asia 2025 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#)
- [17] Hongbo Liu\*, Jingwen He\*, Yi Jin, Dian Zheng, Yuhao Dong, Fan Zhang, **Ziqi Huang**, Yinan He, Yangguang Li, Weichao Chen, Yu Qiao, Wanli Ouyang, Shengjie Zhao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> (\* equal contributions, <sup>✉</sup> corresponding authorship)  
 “ShotBench: Expert-Level Cinematic Understanding in Vision-Language Models”.  
 in The Annual Conference on Neural Information Processing Systems (NeurIPS), 2025 [\[Paper\]](#) [\[Video\]](#) [\[Code\]](#) [\[Website\]](#)

## Journal

- [18] **Ziqi Huang**\*, Fan Zhang\*, Xiaojie Xu, Yinan He, Jiashuo Yu, Ziyue Dong, Qianli Ma, Nattapol Chanpaisit, Chenyang Si, Yuming Jiang, Yaohui Wang, Xinyuan Chen, Ying-Cong Chen, Limin Wang, Dahua Lin<sup>✉</sup>, Yu Qiao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> (\* equal contributions, <sup>✉</sup> corresponding authorship)

“VBench++: Comprehensive and Versatile Benchmark Suite for Video Generative Models”  
in IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) [[Paper](#)] [[Code](#)] [[Website](#)] [[Leaderboard](#)]

- [19] Yuming Jiang, **Ziqi Huang**, Tianxing Wu, Xingang Pan, Chen Change Loy, Ziwei Liu  
“Talk-to-Edit: Fine-Grained 2D and 3D Facial Editing via Dialog”  
in IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) [[Paper](#)] [[Code](#)]
- [20] Yaohui Wang\*, Xinyuan Chen\*, Xin Ma\*, Shangchen Zhou, **Ziqi Huang**, Yi Wang, Ceuyuan Yang, Yinan He, Jiashuo Yu, Peiqing Yang, Yuwei Guo, Tianxing Wu, Chenyang Si, Yuming Jiang, Cunjian Chen, Chen Change Loy, Bo Dai, Dahua Lin<sup>✉</sup>, Yu Qiao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> (\* equal contributions, <sup>✉</sup> corresponding authorship)  
“LaVie: High-Quality Video Generation with Cascaded Latent Diffusion Models”  
in International Journal of Computer Vision (IJCV) [[Paper](#)] [[Code](#)] [[Website](#)]

## Workshop

- [21] **Ziqi Huang**, Kelvin C.K. Chan, Bihan Wen, Ziwei Liu  
“Towards Robust Video Frame Interpolation with Long-Term Propagation”  
in Asian Conference on Computer Vision (ACCV) Workshop, 2024 (**Oral**) [[Paper](#)]
- [22] Danni Yang, **Ziqi Huang**, Jianlou Si, Ziwei Liu  
“RealDPO: Real or Not Real, that is the Preference”  
in International Conference on Computer Vision (ICCV) Workshop, 2025
- [23] Gordon Chen, **Ziqi Huang**, Ziwei Liu  
“Prompt Relay: Inference-Time Temporal Control for Multi-Event Video Generation”  
in Computer Vision and Pattern Recognition (CVPR) Workshop, 2026 [[Paper](#)] [[Code](#)] [[Website](#)]

## Book Chapter

- [24] **Ziqi Huang**, Kelvin C.K. Chan, Yuming Jiang, Ziwei Liu  
“Multimodal Face Generation and Manipulation with Collaborative Diffusion Models”  
in Large Vision-Language Models: Pre-training, Prompting, and Applications, Springer, 2025 [[Digital Book](#)]
- [25] Chenyang Si, **Ziqi Huang**, Yuming Jiang, Ziwei Liu  
“Boosting Diffusion U-Net with Free Lunch for Text-to-Image and Text-to-Video Generation”  
in Large Vision-Language Models: Pre-training, Prompting, and Applications, Springer, 2025 [[Digital Book](#)]
- [26] Ziwei Liu, Shuai Yang, Yuming Jiang, **Ziqi Huang**  
“Generative Networks”  
in Stan Z. Li, Anil K. Jain, Handbook of Face Recognition (Third Edition), Springer, 2023 [[Digital Book](#)]

## Selected Preprint / Report

- [27] Dian Zheng\*, **Ziqi Huang\***, Hongbo Liu, Kai Zou, Yinan He, Fan Zhang, Yuanhan Zhang, Jingwen He, Wei-Shi Zheng<sup>✉</sup>, Yu Qiao<sup>✉</sup>, Ziwei Liu<sup>✉</sup> (\* equal contributions, <sup>✉</sup> corresponding authorship)  
“VBench-2.0: Advancing Video Generation Benchmark Suite for Intrinsic Faithfulness”  
in arXiv Preprint, 2025 [[Paper](#)] [[Code](#)] [[Website](#)] [[Leaderboard](#)] [[Video](#)]
- [28] Jingtong Yue, **Ziqi Huang†**, Zhaoxi Chen, Xintao Wang, Pengfei Wan, Ziwei Liu (‡ project lead)  
“Simulating the Visual World with Artificial Intelligence: A Roadmap”  
in arXiv Preprint, 2025 [[Paper](#)] [[GitHub](#)] [[Website](#)]
- [29] Asra Aslam, Sachini Herath, **Ziqi Huang**, Estefania Talavera, Deblina Bhattacharjee, Himangi Mittal, Vanessa Staderini, Mengwei Ren, Azade Farshad  
“WiCV@CVPR2024: The Thirteenth Women In Computer Vision Workshop at the Annual CVPR Conference”  
in arXiv Preprint, 2024 [[Paper](#)] [[Workshop Link](#)]
- [30] Doris Antensteiner, Marah Halawa, Asra Aslam, Ivaxi Sheth, Sachini Herath, **Ziqi Huang**, Sunnie SY Kim, Aparna Akula, Xin Wang  
“WiCV@CVPR2023: The Eleventh Women In Computer Vision Workshop at the Annual CVPR Conference”  
in arXiv Preprint, 2023 [[Paper](#)] [[Workshop Link](#)]

## Professional Services

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### Workshop Organizer

- Organizer: Efficient and On-Device Generation (EDGE), CVPR 2026 [\[link\]](#)
- Organizer: From Video Generation to World Model, CVPR 2025 [\[link\]](#)
- Organizer: Long-form Video Understanding Towards Multimodal AI Assistant and Copilot (LOVEU) Workshop, CVPR 2024 [\[link\]](#)
- General Chair: Women in Computer Vision (WiCV) Workshop, CVPR 2024 [\[link\]](#)
- Organizer: Women in Computer Vision (WiCV) Workshop, CVPR 2023 [\[link\]](#)
- Organizer: Sensing, Understanding and Synthesizing Humans (SenseHuman) Workshop, ECCV 2022 [\[link\]](#)

### Talk Organizer

- Director: The AI Talks - international seminar series that connects researchers across institutions [\[link\]](#)

### Social Event Organizer

- CVPR 2024 Social, “Diversity and Inclusion for Everyone (Social DEI for Everyone)” [\[link\]](#)

### Area Chair

- International Conference on Computer Vision (ICCV) Workshop of Human-Interactive Generation and Editing

### Journal Reviewer

- International Journal of Computer Vision (IJCV)
- Pattern Recognition (PR)
- IET Computer Vision (IET CV)
- Transactions on Machine Learning Research (TMLR)

### Conference Reviewer

- The AAAI Conference on Artificial Intelligence (AAAI)
- Asian Conference on Computer Vision (ACCV)
- Conference on Neural Information Processing Systems (NeurIPS)
- SIGGRAPH Asia
- European Conference on Computer Vision (ECCV)
- Computer Vision and Pattern Recognition (CVPR)
- International Conference on Computer Vision (ICCV)
- International Conference on Learning Representations (ICLR)
- International Conference on Image Processing (ICIP)

### Workshop Reviewer

- ICCV 2023 CVEU Workshop, CVPR 2023 WiCV Workshop, ICLR 2026 RSI Workshop

### Teaching

- Guest Lecture: EECS 542 Advanced Topics in Computer Vision, University of Michigan, 2024 Fall
- Teaching Assistant: SC2001/CE2101/CZ2101 Algorithm Design & Analysis, NTU, 2023 Spring
- Teaching Assistant: SC2001/CE2101/CZ2101 Algorithm Design & Analysis, NTU, 2024 Spring

### Invited Talks / Presentations

- ICCV 2025 EgoMotion Workshop, Invited Talk, “*From Egocentric Perception to Embodied Intelligence: Building the World in First Person*”
- ICCV 2025 I-HFM Workshop, Invited Talk, “*Multimodal Reasoning for Human-Centric Generative Models*”
- ICCV 2025 KnowledgeMR Workshop, Oral Presentation, “*VChain: Chain-of-Visual-Thought for Reasoning in Video Generation*”
- Adobe Research, Invited Talk, “*Exploring Free Lunch in Diffusion U-Net*”

- ACCV 2024 WiCV Workshop, Oral Presentation, “*Towards Robust Video Frame Interpolation with Long-Term Propagation.*”
- CVPR 2024 Main Conference, Oral Presentation, “*FreeU: Free Lunch in Diffusion U-Net*”
- CVPR 2024 LOVEU Workshop, Invited Talk, “*Comprehensive Benchmark Suite for Video Generative Models*”
- OpenDataLab, Invited Talk, “*Human-Machine Collaborative Visual Generation and Manipulation*”
- Fudan University, Invited Talk, “*Human-Machine Collaborative Visual Synthesis*”
- Harbin Institute of Technology, Shenzhen, Invited Talk, “*Human-Machine Collaborative Visual Synthesis*”
- HongShan, Invited Talk, “*Video Generation: Reasoning, Evaluation, and Beyond*”
- TechBeat, Invited Talk, “*Video Generation: Reasoning, Evaluation, and Beyond*”
- WiseModel, Invited Talk, “*2D Generative World Models*”