HAODONG LI

https://haodong2000.github.io

EDUCATION

University of California San Diego 09/2025 – Now
Department of Computer Science and Engineering *La Jolla, California*
- **Doctor of Philosophy**
- Supervisor: Prof. Manmohan Chandraker

Hong Kong University of Science and Technology 09/2023 – 06/2025
Information Hub, Guangzhou Campus *Clear Water Bay, Hong Kong & Guangzhou, China*
- **Master of Philosophy**
- Supervisor: Prof. Ying-Cong Chen

Zhejiang University 09/2019 – 06/2023
College of Control Science and Engineering *Hangzhou, China*
- **Bachelor of Engineering**

WORKING EXPERIENCE

Adobe Research 06/2026 – Now
Imaging and Language Organization *San Jose, California*
- **Research Scientist Intern**
- Mentors: Dr. Shaoteng Liu, Dr. Zhe Lin

Tencent Hunyuan 05/2025 – 09/2025
Center of 3D Generation *Shenzhen, China*
- **Research Scientist Intern**
- Mentor: Dr. Chunchao Guo

SELECTED PUBLICATIONS (FULL LIST IN GOOGLE SCHOLAR, *EQUAL CONTRIBUTION)

Learning How the World Evolves: Extrapolative Video World Models via Latent Dynamics Reasoning
https://github.com/adobe-research/ldr **arXiv 2026**
***Haodong Li**, Shaoteng Liu, Tianyu Wang, Chongjian Ge, Sihui Ji, Jiahan Zhang, ⋯ , Zhe Lin, Manmohan Chandraker*
TL;DR: LDR learns "how the future evolves" rather than "what the future is", making it the first video world model that captures the underlying dynamics purely from pixels and extrapolates them beyond the training distribution.

DA^2: Depth Anything in Any Direction
https://github.com/envision-research/da-2 **ICLR 2026**
***Haodong Li**, Wangguangdong Zheng, Jing He, Yuhao Liu, Xin Lin, Xin Yang, Ying-Cong Chen, Chunchao Guo*
TL;DR: Powered by large-scale curated data and a sphere-aware ViT, DA^2 predicts dense distance from a single 360° panorama in an end-to-end manner, with remarkable geometric fidelity and strong zero-shot generalization.

Lotus: Diffusion-based Visual Foundation Model for High-Quality Dense Prediction
https://github.com/envision-research/lotus **ICLR 2025**

Jing He, **Haodong Li***, *Wei Yin, Yixun Liang, Leheng Li, Kaiqiang Zhou, Hongbo Zhang, Bingbing Liu, Ying-Cong Chen*
TL;DR: Based on Stable Diffusion, Lotus delivers SoTA performance on monocular depth & normal estimation with a simple yet effective fine-tuning protocol that better fits the pre-trained visual prior for dense prediction.

Academic Service

Reviewer: CVPR 2025 (1), ICLR 2026 (5), CVPR 2026 (2), ICML 2026 (6), SIGGRAPH 2026 (1), ECCV 2026 (2), NeurIPS 2026 (4), WACV 2027 (1), AAAI 2027 (6), 3DV 2027 (3), ICLR 2027 (5).