

HAODONG LI

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EDUCATION

University of California, San Diego (UC San Diego)

09/2025 ~ Now

Department of Computer Science and Engineering

La Jolla, California

- **Doctor of Philosophy in Computer Science**
- Supervisor: Prof. [Manmohan Chandraker](#)
- Research Topic: **Video Generation**
- Grades: -/4.0, Credits: 0

Hong Kong University of Science and Technology (HKUST)

09/2023 ~ 06/2025

Information Hub, Guangzhou Campus

Clear Water Bay, Hong Kong & Guangzhou, China

- **Master of Philosophy in Artificial Intelligence**
- Supervisor: Prof. [Ying-Cong Chen](#)
- Research Topic: **3D Generation, Image Generation, 3D Perception (Depth/Normal)**
- Grades: 3.7/4.0, Credits: 21.0

Zhejiang University (ZJU)

09/2019 ~ 06/2023

College of Control Science and Engineering

Hangzhou, China

- **Bachelor of Engineering in Automation**
- Grades: 3.7/4.0, Credits: 191.0

WORKING EXPERIENCE

Tencent Technology (Shenzhen) Co., Ltd.

05/2025 ~ 09/2025

Tencent Hunyuan (Center of 3D Generation)

Shenzhen, China

- **Research Scientist Intern**
- Mentor: Dr. Chunchao Guo
- Research Topic: **3D Perception (Depth)**

SELECTED PUBLICATIONS (FULL LIST IN [GOOGLE SCHOLAR](#)) (*EQUAL CONTRIBUTION.)

DA²: Depth Anything in Any Direction

09/2025

arXiv 2025 | Project page: [depth-any-in-any-dir.github.io](https://github.com/depth-anything)

Shenzhen & La Jolla

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, DA² predicts dense distance from a single 360° panorama in an end-to-end manner, with remarkable geometric fidelity and strong zero-shot generalization.

Lotus-2: Advancing Geometric Dense Prediction with Powerful Image Generative Model

10/2025

arXiv 2025 | Project page: [lotus-2.github.io](https://github.com/lotus-2)

Shenzhen & La Jolla

Jing He, **Haodong Li**, Mingzhi Sheng, Ying-Cong Chen

TL;DR: Lotus-2 is an advanced monocular geometric estimator built upon FLUX. By effectively analyzing the DiT-based rectified-flow formulation, Lotus-2 achieves SoTA performance while producing significantly finer details.

- Lotus: Diffusion-based Visual Foundation Model for High-quality Dense Prediction** 09/2024
ICLR 2025 | Project page: lotus3d.github.io Guangzhou
*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.
- DisEnvisioner: Disentangled and Enriched Visual Prompt for Customized Image Generation** 07/2024
ICLR 2025 | Project page: disenvisioner.github.io Guangzhou
*Jing He**, **Haodong Li***, Yongzhe Hu, Guibao Shen, Yingjie Cai, Weichao Qiu, Ying-Cong Chen
TL;DR: DisEnvisioner effectively identifies and enhances the subject-essential features while filtering out other irrelevant ones, enabling exceptional image customization in a tuning-free manner with only a single image.
- DIScene: Object Decoupling and Interaction Modeling for Complex Scene Generation** 05/2024
SIGGRAPH Aisa 2024 Guangzhou
*Xiao-Lei Li**, **Haodong Li***, Hao-Xiang Chen, Tai-Jiang Mu, Shi-Min Hu
TL;DR: DIScene is capable of generating complex, high-fidelity 3D scene with decoupled objects and clear interactions, through a learnable scene graph and hybrid Mesh-Gaussian representation.
- Bi-TTA: Bidirectional Test-Time Adapter for Remote Physiological Measurement** 01/2024
ECCV 2024 | Project page: bi-tta.github.io Guangzhou
Haodong Li, Hao Lu, Ying-Cong Chen
TL;DR: Bi-TTA leverages spatial and temporal consistency with novel prospective and retrospective strategies, enabling pre-trained rPPG models to adapt effectively to target domains using only unannotated instance-level data.
- LucidDreamer: Towards High-Fidelity Text-to-3D Generation via Interval Score Matching** 11/2023
CVPR 2024 Highlight | Project page: github.com/envision-research/luciddreamer Guangzhou
*Yixun Liang**, *Xin Yang**, Jiantao Lin, **Haodong Li**, Xiaogang Xu, Ying-Cong Chen
TL;DR: LucidDreamer is a text-to-3D generation framework that distills high-fidelity textures and shapes represented by 3D Gaussians from pre-trained Stable Diffusion with a novel Interval Score Matching objective.

HONORS

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- UC San Diego PhD Student Fellowship
 - ZJU Excellent Student Research Training Program
 - ZJU Innovation & Entrepreneurship Award
 - HKUST(GZ) Postgraduate Student Fellowship
 - ZJU Academic Excellence Award
 - ZJU Student Leadership Award