






HAODONG LI

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EDUCATION

- University of Pennsylvania (UPenn)** 06/2024 ~ 03/2025 (expected)
School of Engineering and Applied Science Philadelphia, United States
- **Visiting Research Intern**
 - Supervisor: Prof. Lingjie Liu
 - Research Topic: **3D Vision**
 - Research Project: World-consistent Video Depth Estimation
- The Hong Kong University of Science and Technology (HKUST)** 09/2023 ~ 06/2025 (expected)
Information Hub, Guangzhou Campus Clear Water Bay, Hong Kong & Guangzhou, China
- **Master of Philosophy (General)**
 - Supervisor: Prof. [Ying-Cong Chen](#), Prof. [Xin Tong](#)
 - Research Topic: **Generative Models, 3D Vision**
 - Grades: 3.9/5.0, Credits: 11.0
- 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

RESEARCH (*EQUAL CONTRIBUTION, ORDER RANDOMIZED)

- LOTUS: Diffusion-based Visual Foundation Model for High-quality Dense Prediction** 08/2024
In Submission | Project page: lotus3d.github.io Guangzhou & Philadelphia
*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 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
In Submission | Project page: disenvisioner.github.io Guangzhou
*Jing He**, *Haodong Li**, *Yongzhe Hu*, *Guibao Shen*, *Yingjie Cai*, *Weichao Qiu*, and *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*, and *Shi-Min Hu*
TL;DR: DIScene is capable of generating complex 3D scene with decoupled objects and clear interactions, through a learnable scene graph and hybrid Mesh-Gaussian representation.
- 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*, and *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.
- 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*, and *Ying-Cong Chen*

PROJECTS

AlphaCC Zero: A Chinese Chess Robot Powered by Reinforcement Learning

08/2022

Haodong Li, Yipeng Shen, Zhengnan Sun, Jin Zhou, Xiayan Xu, Jiuqiang Zhao, and Yiping Feng

Hangzhou

Project demo: <https://youtu.be/V6IXxbrqHmE>

Predictive Analytics of Chemical Indicators in Ironmaking Industry

06/2023

Haodong Li, and Xinmin Zhang

Hangzhou

COMPETITIONS

Championship of 2021 RoboCup China Open (Small Size League)

Tianjin

First Prize in National Finals of 2021 “Siemens Cup” China Intelligent Manufacturing Challenge

Shanghai

HONORS

- ZJU Excellent Student Research Training Program
- ZJU Academic Excellence Award
- ZJU Innovation & Entrepreneurship Award
- ZJU Student Leadership Award