

Yunhao Fang

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EDUCATION

Zhejiang University

Bachelor in Electronical and Information Sciences (1st in 93)

- Summer school at University of Illinois at Urbana-Champaign

Sept 2018 – Jun 2022

GPA: 3.92/4.00

University of California, San Diego

Master in Computer Sciences and Engineering

Sept 2022 – May 2024

Advisor: Professor Hao Su

INTERNSHIPS

Nvidia

Research Scientist Intern

- Core maintainer of the open-source multimodal foundation model [VILA](#).
- Researching advanced and efficient multimodal foundation models.

Feb 2024 – Now

Advisor: Prof. Song Han, Dr. Yao Lu

Shanghai Artificial Intelligence Laboratory

Research Internship

- Core maintainer of the open-source codebase [mmtracking](#).
- Researched open-world multiple-object tracking algorithms.

Nov 2021 – Jun 2022

Advisor: Prof. Dahua Lin, Dr. Jiangmiao Pang

Hangzhou Humpback Whale Technology Co., Ltd

Algorithm Engineer Internship

- Propose the monocular RGB image-based motion estimation and correction algorithm (Patent).
- Design and make an RFIC-based remote sensing platform.

Sept 2020 – Dec 2020

PUBLICATIONS

Conference Publications

[1] [Distillation Large Vision-Language Model with Out-of-Distribution Generalizability](#)

Xuanlin Li*, **Yunhao Fang***, Minghua Liu, Zhan Ling, Zhuowen Tu, Hao Su

In International Conference on Computer Vision (ICCV), 2023. [Code](#)

[2] [Deductive Verification of Chain-of-Thought Reasoning](#)

Zhan Ling*, **Yunhao Fang***, Xuanlin Li, Zhiao Huang, Hao Su

In Neural Information Processing Systems (NeurIPS), 2023. [Code](#)

[3] [VILA²: VILA Augmented VILA](#)

Yunhao Fang*, Ligeng Zhu*, Yao Lu, Yan Wang, Pavlo Molchanov, Jang Hyun Cho, Marco Pavone, Song Han, Hongxu Yin

In Submission, 2024.

[4] [Unleashing the Creative Mind: Language Model as Hierarchical Policy For Improved Exploration on Challenging Problem Solving](#)

Zhan Ling, **Yunhao Fang**, Roland Memisevic, Hao Su, et al.

In Submission, 2024.

[5] [PartSLIP++: Enhancing Low-Shot 3D Part Segmentation via Multi-View Instance Segmentation and Maximum Likelihood Estimation](#)

Yuchen Zhou, Jiayuan Gu, Xuanlin Li, Minghua Liu, **Yunhao Fang**, Hao Su

In Submission, 2024.

[6] DreamFuser: Value-guided Diffusion Policy for Offline Reinforcement Learning
Kairong Luo, Caiwei Xiao, Zhiao Huang, Zhan Ling, **Yunhao Fang**, Hao Su
In Submission, 2023.

AWARDS & HONORS

China National Scholarship, 2022.

Mathematical Contest in Modeling: Meritorious Winner, 2022.

First-class Scholarship, Zhejiang University, 2021.

Huang Hong, Wu Xiaobei Scholarship (3 out of 2000), Zhejiang University, 2020.

GSERVICES

Teaching Assistant: CSE 275 Deep Learning for 3D Data at UC San Diego, Fall 2023.

Reviewer: ECCV 2024