GENG CHEN

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🎓 EDUCATION

University of California San Diego (UCSD), La Jolla, U.S.A. 　　　　　2024 – 2026 (expected)
M.S. in Electrical and Computer Engineering

Shanghai Jiao Tong University (SJTU), Shanghai, China 　　　　　　　　　2019 – 2023
B.Eng. in Computer Science and Engineering, IEEE Honor Class

Zhiyuan College, Shanghai Jiao Tong University, Shanghai, China 　　　　　2019 – 2023
Zhiyuan Honor Program of Engineering (Elite Program for Top 5% of Students at SJTU)

♡ RESEARCH INTERESTS

Embodied AI, Robotics, Computer Vision

📖 PUBLICATIONS

Continual Predictive Learning from Videos [CVPR 2022 Oral, 4%] [Project Page]
Geng Chen⋆, Wendong Zhang⋆, Han Lu, Siyu Gao, Yunbo Wang, Mingsheng Long, Xiaokang Yang

Predictive Experience Replay for Continual Visual Control and Forecasting [Preprint]
Wendong Zhang, **Geng Chen**, Xiangming Zhu, Siyu Gao, Yunbo Wang, Xiaokang Yang

Learning Planning Abstractions from Language [ICLR 2024][Project Page]
Weiyu Liu⋆, **Geng Chen**⋆, Jiayuan Mao⋆, Joy Hsu, Jiajun Wu

UniHOI: Learning Fast, Dense and Generalizable 4D Reconstruction for Egocentric Hand Object Interaction Videos [Under Review]
Chengbo Yuan, **Geng Chen**, Li Yi, Yang Gao

👥 RESEARCH EXPERIENCE

Tsinghua University & Shanghai Artificial Intelligence Laboratory 　　　**Beijing, China**
Research Assistant　Advisor: Prof. Yang Gao 　　　　　　　　　　　　*Mar* 2024 – *Jan* 2025
- ○ 3D policy foundation model for robotics manipulation
- ○ Long-horizon scene flow Reconstruction from monocular videos
- ○ 4D reconstruction from egocentric hand object interaction videos

Stanford University 　　　　　　　　　　　　　　　　　　　**Palo Alto, USA (remote)**
Research Assistant　Advisor: Prof. Jiajun Wu 　　　　　　　　　　　　*Apr* 2022 – *Sep* 2023
- ○ Learning concepts from language for long-horizon planning

Shanghai Jiao Tong University 　　　　　　　　　　　　　　　　　**Shanghai, China**
Research Assistant　Advisor: Prof. Yunbo Wang 　　　　　　　　　　　*Jun* 2021 – *Jun* 2022
- ○ Continual learning for video prediction world models
- ○ Continual learning for model-based reinforcement learning

🏆 HONORS AND AWARDS

Zhiyuan College Honors Scholarship(Top 5%), Shanghai Jiao Tong University 　　2019 – 2022
SJTU Academic Excellence Scholarship(Top 20%), Shanghai Jiao Tong University 　2020 – 2022

🏛 Academic Performance

Selected Courses

Linear Algebra(Honor)(93)	Discrete Mathematics(Honor)(92)	Convex and Linear Optimization(93)
Algorithm Design and Analysis(100)	Data Structure(Honor)(94)	Programming Languages(94)

Skills

Python (PyTorch, Numpy), C/C++, LaTeX