

EDUCATION

- **National University of Singapore** Singapore
Master of Computing in Artificial Intelligence August 2025 - Current
- **Shanghai Jiao Tong University** Shanghai, China
Bachelor of Engineering, Computer Science and Engineering (IEEE honor class) Sept 2021 - June 2025
 - ▶ **Overall GPA:** 92.43/100.00, 4.04/4.30, (Rank 7/129)
 - ▶ **Selected Courses:** Natural Language Processing (A+), Fundamentals of Data Science (A+), Design and Analysis of Algorithms (A+), Mathematical Analysis (A+), Linear and Convex Optimization (A+), Probability and Statistics (A+), Discrete Mathematics (A+)

PUBLICATIONS

- **PoseAnything6D: Generalized 6D Pose Estimation via Cousin Reference**
Pengxiang Zhu, Junxiao Kong, Xinyu Zhan, Licheng Zhong, Cewu Lu, Leonidas Guibas, Yang You, Lixin Yang, Chaoyue Niu
 - In submission to **NeuralPS 2025**
 - PoseAnything6D generalizes 6DoF pose estimation using a cousin reference CAD model and DINOv2 feature rendering. A coarse-to-fine ranking and refinement pipeline iteratively refines poses, achieving state-of-the-art performance and strong generalization to unseen objects.
- **Multi-view Hand Reconstruction with a Point-Embedded Transformer**
Lixin Yang, Licheng Zhong, Pengxiang Zhu, Xinyu Zhan, Junxiao Kong, Jian Xu, Cewu Lu
 - **IEEE-TPMAI** | [📄 Paper](#) | [🔗 Code](#)
 - POEM-v2 is a generalizable multi-view hand mesh reconstruction model which embeds a static basis point within the multi-view stereo space. To infer accurate 3D hand mesh from multi-view images, POEM-v2 introduce a point-embedded transformer decoder. POEM-v2 demonstrates superior generalization ability in real-world applications.
- **FAVOR: Full-body AR-driven Virtual Object Rearrangement Guided by Textual Instructions**
Kailin Li, Lixin Yang, Zenan Lin, Jian Xu, Xinyu Zhan, Yifei Zhao, Pengxiang Zhu, Wenxiong Kang, Kejian Wu, Cewu Lu
 - **AAAI 2024** | [📄 Paper](#)
 - FAVOR presents a novel dataset for Full-body AR-driven Virtual Object Rearrangement. It also proposes a pipeline for producing digital human rearrangement motion sequences.

EXPERIENCE

- **Machine Vision and Intelligence Group, SJTU** Shanghai, China
Undergraduate research intern, supervised by Prof. Cewu Lu and Prof. Lixin Yang Mar 2023 - Now
☰ Computer Vision, Embodied Intelligence
- **Department of Artificial Intelligence, bilibili** Shanghai, China
Algorithm intern, supervised by Dr. Jun Xu Jun 2024 - Sept 2024
☰ Computer Vision, Multi-modal Large Language Models

PROJECTS

- **Chinese Slot Language Understanding** Shanghai, China
CS3602 Natural Language Understanding Course Project Nov 2023 - Jan 2024
 - In this project, we build a BERT-based pipeline for Chinese slot understanding. We incorporated Lexicon information into the BERT backbone and achieved descent result on the given noisy dataset. [🔗 Code](#) [📄 Report](#)
- **CUT++: Image Style Transfer** Shanghai, China
AI3603 Artificial Intelligence - Theory and Practice Course Project Nov 2023 - Jan 2024
 - In this project, we build our CUT++ structure for image style transfer on the renowned CUT model. By introducing attention into the GAN-based model and modifying the PatchNCE loss, we achieve decent result on the given dataset. [🔗 Code](#) [📄 Report](#)

HONORS AND AWARDS

- Academic Excellence Scholarship of SJTU (top 10%) *2022, 2023*
- Academic Excellence Scholarship of SJTU (top 30%) *2024*
- Long Hu scholarship(5000 ¥, Rank 7/129) *2021-2022*
- Finalist of Mathematical Contest of Modeling(top 5% globally) *2022*

MISCELLANEOUS

- **Proficient:** Python (PyTorch, NumPy, etc.), C/C++, Linux, Shell, \LaTeX
- **Familiar:** MATLAB, HTML/CSS, Verilog, etc.