Anjun Chen

✉ anjun_chen@outlook.com % https://chen3110.github.io

Education

Zhejiang University <div align="right">Hangzhou, CN</div>

Ph.D. Student, College of Control Science and Engineering <div align="right">Mar 2022 – Present</div>
Area of Study: Computer Vision and Robotics <div align="right">Advisor: Prof. Qi Ye, Prof. Jiming Chen</div>

Zhejiang University <div align="right">Hangzhou, CN</div>

M.E. Student, Polytechnic Institute <div align="right">Sep 2019 – Mar 2022</div>
Major: Control Engineering

Jilin University <div align="right">Changchun, CN</div>

B.E., College of Communication Engineering <div align="right">Sep 2015 – Jun 2019</div>
Major: Measurement Technology

Research Experience

University of Pennsylvania <div align="right">Philadelphia, US</div>

Visiting Student, GRASP Lab <div align="right">Aug 2024 – Feb 2025</div>
Research Topic: Gaussian Avatar <div align="right">Advisor: Prof. Lingjie Liu</div>

NetEase <div align="right">Hangzhou, CN</div>

Research Intern, Fuxi AI Lab <div align="right">Nov 2023 – Mar 2024</div>
Research Topic: Multi-Modal Matching

Publications

Conferences

1. Vid2Sim: Generalizable, Video-based Reconstruction of Geometry and Physical Property for Mesh-free Simulation
   C. Chen, Z. Dou, C. Wang, Y. Huang, **A. Chen**, Q. Feng, J. Gu, and L. Liu.
   IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2025

2. TaskExp: Enhancing Generalization of Multi-Robot Exploration with Multi-Task Pre-Training
   S. Zhu, Y. Xu, **A. Chen**, and J. Xu.
   IEEE International Conference on Robotics and Automation (ICRA), 2025

3. UpViTaL: Unpaired Visual-Tactile Self-Supervised Representation Learning for Dexterous Robotic Manipulation
   G. Han, Q. Liu, Y. Cui, **A. Chen**, J. Chen, and Q. Ye.
   IEEE International Conference on Robotics and Automation (ICRA), 2025

4. MAexp: A Generic Platform for RL-Based Multi-Agent Exploration
   S. Zhu, J. Zhou, **A. Chen**, M. Bai, J. Chen, and J. Xu.
   IEEE International Conference on Robotics and Automation (ICRA), 2024

5. InterRep: A Visual Interaction Representation for Robotic Grasping
   Y. Cui, Q. Liu, **A. Chen**, Q. Ye, G. Li, and J. Chen.
   IEEE International Conference on Robotics and Automation (ICRA), 2024

6. CAMInterHand: Cooperative Attention for Multi-View Interactive Hand Pose and Mesh Reconstruction
   G. Han, Q. Ye, **A. Chen**, and J. Chen.
   IEEE International Conference on Robotics and Automation (ICRA), 2024

7. ImmFusion: Robust mmWave-RGB Fusion for 3D Human Body Reconstruction in All Weather Conditions
   A. Chen, X. Wang, K. Shi, S. Zhu, Y. Chen, B. Fang, J. Chen, Y. Huo, and Q. Ye.

IEEE International Conference on Robotics and Automation (ICRA), 2023

8. mmBody Benchmark: 3D Body Reconstruction Dataset and Analysis for Millimeter Wave Radar
   A. Chen, X. Wang, S. Zhu, Y. Li, J. Chen, and Q. Ye.
   ACM International Conference on Multimedia (ACM MM), 2022

Journals

1. AdaptiveFusion: Adaptive Multi-Modal Multi-View Fusion for 3D Human Body Reconstruction
   A. Chen, X. Wang, Z. Xu, K. Shi, Y. Qin, Y. Huo, J. Chen, and Q. Ye.
   IEEE Transactions on Multimedia (TMM), 2025

2. Towards Weather-Robust 3D Human Body Reconstruction: Millimeter-Wave Radar-Based Dataset, Benchmark, and Multi-Modal Fusion
   A. Chen, X. Wang, Z. Xu, K. Shi, J. Chen, Y. Huo, and Q. Ye.
   IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2024

3. Radar and Camera Fusion for Object Detection and Tracking: A Comprehensive Survey
   K. Shi, S. He, Z. Shi, **A. Chen**, J. Chen, and J. Luo.
   IEEE Communications Surveys and Tutorials (COMST), 2024

4. Road-Map Aided GM-PHD Filter for Multi-Vehicle Tracking with Automotive Radar
   K. Shi, Z. Shi, C. Yang, S. He, J. Chen, and **A. Chen**.
   IEEE Transactions on Industrial Informatics (TII), 2021

AWARDS & SCHOLARSHIPS

Academic Scholarship of Zhejiang University
Outstanding Graduate Student of Zhejiang University

PROGRAMMING EXPERIENCE

Python, C++, C, Java, Matlab

TEACHING AND SERVICE

Reviewer: CVPR, ICRA, IROS, TCSVT, IOTJ, RAL
Teaching Assistant: Computer Vision, Zhejiang University   Spring 2022