

Yifan Wang

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Homepage: <https://yfwang.me/>

EDUCATION

Stony Brook University

Ph.D. in Computer Science

Advisor : [Prof. Chenyu You](#)

Research Focus: Computer Vision, Machine Learning, and Cognitive Science

NY, United States

Aug. 2024 - present

ShanghaiTech University

Bachelor in Computer Science

Advisor : [Prof. Kan Ren](#)

Overall GPA: 3.77 / 4.00; **Rank:** 17 / 248

Shanghai, China

Sept. 2020 - Jul. 2024

University of California, Berkeley

Undergraduate Exchange Student in Computer Science

CA, United States

Aug. 2022 - Jun. 2023

Overall GPA: 3.92 / 4.00

INTERNSHIP

NEC Labs America

Research Intern in Media Analytics Department

CA, United States

May. 2025 - Aug. 2025

Advisor : [Dr. Ziyu Jiang , Dr. Manmohan Chandraker](#)

Research Project: Advanced scene simulation methodologies for autonomous driving

RESEARCH INTERESTS

My research interest broadly lies in computer vision, machine learning, and cognitive science. I am intrigued by the intersection of cognitive science and machine learning, and I am committed to the development of reliable machine learning systems.

PUBLICATION(* EQUAL CONTRIBUTION)

CSRv2: Unlocking Ultra-Sparse Embeddings

ICLR 2026 | [Paper](#)

Lixuan Guo, Yifei Wang, Tiansheng Wen, **Yifan Wang**, Aosong Feng, Bo Chen, Stefanie Jegelka, Chenyu You

Ouroboros: Single-step Diffusion Models for Cycle-consistent Forward and Inverse Rendering

ICCV 2025 | [Paper](#)

Shanlin Sun*, **Yifan Wang***, Hanwen Zhang*, Yifeng Xiong, Qin Ren, Ruogu Fang, Xiaohui Xie, Chenyu You

OTSurv: A Novel Multiple Instance Learning Framework for Survival Prediction with Heterogeneity-aware Optimal Transport

MICCAI 2025 | [Paper](#)

Qin Ren, **Yifan Wang**, Ruogu Fang, Haibin Ling, Chenyu You

Dissecting and Mitigating Diffusion Bias via Mechanistic Interpretability

CVPR 2025 | [Paper](#)

Yingdong Shi*, Changming Li*, Yifan Wang, Yongxiang Zhao, Anqi Pang, Sibei Yang, Jingyi Yu, Kan Ren

Discovering Influential Neuron Path in Vision Transformers

ICLR 2025 | [Paper](#)

Yifan Wang, Yifei Liu, Yingdong Shi, Changming Li, Anqi Pang, Sibei Yang, Jingyi Yu, Kan Ren

BEAT: Berkeley Emotion and Affect Tracking Dataset

Journal of Vision 24 (10), 1226-1226 | [Paper](#)

Ana Hernandez, Zhihang Ren, Jefferson Ortega, Yifan Wang, Zhimin Chen, Yunhui Guo, Stella Yu, David Whitney

EEGFormer: Towards Transferable and Interpretable Large-Scale EEG Foundation Model

AAAI 2024 (Spring Symposium Series) | [Paper](#)

Yuqi Chen, Kan Ren, Kaitao Song, Yansen Wang, Yifan Wang, Dongsheng Li, Lili Qiu

Region-Based Emotion Recognition via Superpixel Feature Pooling

CVPR Workshorp 2024 | [Paper](#)

Zhihang Ren, Yifan Wang, Tsung-Wei Ke, Yunhui Guo, Stella Yu, David Whitney

VEATIC: Video-based Emotion and Affect Tracking in Context Dataset

WACV 2024 | [Paper](#)

Zhihang Ren*, Jefferson Ortega*, Yifan Wang*, Zhimin Chen, David Whitney, Yunhui Guo, Stella Yu

SERVICE

Conference Reviewer: ICML 2026, ECCV 2026, CVPR 2025-2026, ICLR 2026, NeurIPS 2025, MICCAI 2025-2026.

Journal Reviewer: IEEE Transactions on Circuits and Systems for Video Technology, Medical Image Analysis, Pattern Recognition, IEEE Transactions on Medical Imaging, IEEE Transactions on Neural Networks and Learning Systems.

AWARDS & HONORS

- IEEE Transactions on Medical Imaging Bronze Distinguished Reviewer 2025
- Outstanding Graduate in ShanghaiTech University 2024
- 2022-2023 Merit Student in ShanghaiTech University 2023
- 2022-2023 Undergraduate International Exchange Special Scholarship in ShanghaiTech University 2023
- 2021-2022 Merit Student in ShanghaiTech University 2022
- Outstanding Individual Award of Industrial Practice Group in ShanghaiTech University 2022
- Outstanding Individual Award of Social Practice Group in ShanghaiTech University 2021
- Robomaster competition national 2nd prize 2020-2021

TECHNICAL PROFICIENCIES

Programming Languages: Python, C/C++, MATLAB, RISC-V, CUDA, R, HTML, etc.

Tools & Frameworks: PyTorch, TensorFlow, JAX, OpenCV, git, Latex, Markdown, etc.

Language: Mandarin(Native speaker), English(Fluent).