

Yifan Wang

NY, United States | +1 (631)-943-5849 | yifan.wang.5@stonybrook.edu

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

Overall GPA : 3.92 / 4.00

CA, United States

Aug. 2022 - Jun. 2023

INTERNSHIP

NEC Labs America

Research Intern in Media Analytics Department

Advisor : **Dr. Ziyu Jiang**

Research Focus: Advanced scene simulation methodologies for autonomous driving

CA, United States

May. 2025 - Aug. 2025

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)

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

ICCV 2025

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

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

Dissecting and Mitigating Diffusion Bias via Mechanistic Interpretability

CVPR 2025

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

Discovering Influential Neuron Path in Vision Transformers

ICLR 2025

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

BEAT: Berkeley Emotion and Affect Tracking Dataset

Journal of Vision 24 (10), 1226-1226

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)

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

Region-Based Emotion Recognition via Superpixel Feature Pooling

CVPR Workshop 2024

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

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

SERVICE

Conference Reviewer: NeurIPS 2025, MICCAI 2025, CVPR 2025.

Journal Reviewer: Pattern Recognition, TMI, TNNLS.

AWARDS & HONORS

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|---|-----------|
| ➤ 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).