# Yifan Wang

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Homepage: https://yfwang.me/

#### **EDUCATION**

#### **Stony Brook University**

NY, United States

Ph.D. in Computer Science

Aug. 2024 - present

Advisor: Prof. Chenyu You

Research Focus: Computer Vision, Machine Learning, Cognitive Science and Medical Image Analysis

## ShanghaiTech University

Shanghai, China

Bachelor in Computer Science

Sept. 2020 - Jul. 2024

Advisor: Prof. Kan Ren

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

#### University of California, Berkeley

CA, United States

Undergraduate Exchange Student in Computer Science

Aug. 2022 - Jun. 2023

Overall GPA: 3.92 / 4.00

#### **RESEARCH INTERESTS**

My research interest broadly lies in Computer Vision, Machine Learning, Cognitive Science and Medical Image Analysis. My current research focuses on the decoding of brain signals and the potential applications of generative models. 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)

#### Discovering Influential Neuron Path in Vision Transformers

ICLR 2025

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

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 Workshorp 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**

Reviewer: TNNLS, TMI, CVPR 2025.

## **AWARDS & HONORS**

$\triangleright$	Outstanding Graduate in ShanghaiTech University	2024
>	2022-2023 Merit Student in ShanghaiTech University	2023
>	2022-2023 Undergraduate International Exchange Special Scholarship in ShanghaiTech Universität	ersity 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
$\triangleright$	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).