

Shengtao Yao

📍 New York ✉ sy3535@nyu.edu ☎ +1-551-331-3581 in Shengtao Yao 🐱 FlappyBob

EDUCATION

New York University

B.A. in Computer Science

Sept 2022 – Now

- **Dean's List (All Semesters)** , New York University

WORKING EXPERIENCE

AI4CE Lab, New York University

Research Intern, advised by Prof. Chen Feng

New York, NY

Jun 2026 – Present

- Develop a pipeline that retargets mocap and glove data to a dexterous robotic hand.
- Train and evaluate policies for goal-centric dexterous object reorientation.

NYU Langone Health

Research Intern, advised by Prof. Sumit Chopra

New York, NY

Sep 2025 – Jan 2026

- Developed a volume-level prostate cancer classifier from raw multi-coil MRI k-space data.

Huawei Technologies Co., Ltd.

Software Engineer Intern, Network and Operating system

Shanghai, China

June 2024 – Aug 2024

- Developed systems tooling for Huawei's L2RAT stack, including thread-pool and SDK components, CPU-affinity and process-control mechanisms, and perf-based performance visualization.

TEACHING EXPERIENCE

Courant Institute of Mathematical Sciences

Teaching Assistant Supervised by Prof. Jocelyn Chen, Operating System

New York, NY

Sep 2024 – Dec 2025

- Grade all labs and exams for the course and held weekly office hours for debugging & clarification
- Wrote automatic grading scripts for OS Utility & VM lab, which was used for a class of up to 200 students.

Projects

On-Policy Memory Distillation	<i>Long-Video Generation, Memory Distillation, KV Cache</i>	<i>ongoing</i>
Dexterous Reorientation	<i>Functional Retargeting, Reinforcement Learning</i>	<i>ongoing</i>
Recurrent JEPA WorldModel	<i>Representation Learning</i>	GitHub 
Weensy OS	<i>Thread Pool, Virtual Memory</i>	<i>private (course policy)</i>

COMPETITIONS

- [Codeforces](#) 

SKILLSET

Language & Libraries: (Proficient) Python, C/C++, Pytorch, OpenCV, scikit-learn;(familiar) OCaml, Java, Javascript, Pandas, SciPy

Tools: Linux, Git, gdb, Docker, statsmodels

Framework: HPC/Research Tooling