

Shengtao Yao

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EDUCATION

University of California San Diego Sep 2026 – Present
M.S. in Computer Science and Engineering

New York University Sep 2022 – May 2026
B.A. in Computer Science, cum laude

WORKING EXPERIENCE

AI4CE Lab, New York University New York, NY
Research Intern, advised by Prof. Chen Feng Jun 2026 – Present

- Develop a functional-retargeting pipeline that maps human mocap and glove demonstrations to feasible dexterous-hand trajectories.
- Train and evaluate goal-conditioned policies for dexterous object reorientation, with a focus on transferring human demonstrations to robotic execution.

NYU Langone Health New York, NY
Research Intern, advised by Prof. Sumit Chopra Sep 2025 – Jan 2026

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

Huawei Technologies Co., Ltd. Shanghai, China
Software Engineer Intern, Network and Operating system 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 New York, NY
Teaching Assistant Supervised by Prof. Jocelyn Chen, Operating System 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

The Past Frames the Future	<i>AR Video Generation, Memory Mechanisms, Survey</i>	<i>Paper</i> 🔗 GitHub 🔗
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

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- [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