

# Yanlai Yang

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## EDUCATION

**New York University** (Ph.D. in Computer Science, GPA: 4.00) 2022 – Present  
*Research Interests:* Lifelong Learning; Egocentric Vision.

**UC Berkeley** (B.A. in Computer Science & Applied Math, GPA: 4.00) 2018 – 2022  
*Selected Coursework:* Deep Reinforcement Learning; Robotics; Human-Robot Interaction; Machine Learning; Artificial Intelligence; Optimization; Probability; Discrete Math; Linear Algebra; Real Analysis; Numerical Analysis.

## AWARDS AND HONORS

- **Percy Lionel Davis Award for Excellence in Scholarship in Mathematics** (UC Berkeley) 2022
- **Mark D. Weiser Excellence in Computing Scholarship** (UC Berkeley) 2021
- **Outstanding Graduate Student Instructor Award** (UC Berkeley) 2021
- **Best Machine Learning Project** in Cal Hacks 5.0 2018

## PUBLICATIONS AND PREPRINTS

- **Reawakening Knowledge: Anticipatory Recovery from Catastrophic Interference via Structured Training**  
Yanlai Yang, Matt Jones, Michael C. Mozer, Mengye Ren  
*Preprint, 2024*
- **LifelongMemory: Leveraging LLMs for Answering Queries in Egocentric Videos**  
Ying Wang, Yanlai Yang, Mengye Ren  
*Preprint, 2023*
- **Egocentric Video Comprehension via Large Language Model Inner Speech**  
Ying Wang, Dongdong Sun, Rui Chen, Yanlai Yang, Mengye Ren  
*3rd International Ego4D Workshop @ CVPR 2023*
- **Pre-Training for Robots: Offline RL Enables Learning New Tasks from a Handful of Trials**  
Aviral Kumar\*, Anikait Singh\*, Frederik Ebert\*, Mitsuhiro Nakamoto, Yanlai Yang, Chelsea Finn, Sergey Levine  
*Robotics: Science and Systems (RSS), 2023*
- **Bridge Data: Boosting Generalization of Robotic Skills with Cross-Domain Datasets**  
Frederik Ebert\*, Yanlai Yang\*, Karl Schmeckpeper, Bernadette Bucher, Georgios Georgakis, Kostas Daniilidis, Chelsea Finn, Sergey Levine.  
*Robotics: Science and Systems (RSS), 2022*
- **Garbage in, garbage out? Do machine learning application papers in social computing report where human-labeled training data comes from?**  
R. Stuart Geiger, Kevin Yu, Yanlai Yang, Mindy Dai, Jie Qiu, Rebekah Tang, Jenny Huang.  
*Conference on Fairness, Accountability, and Transparency (ACM FAT\*), 2020*

## RESEARCH EXPERIENCE

**Graduate Researcher** August 2022 – Present  
NYU Computational Intelligence, Vision, and Robotics (CILVR) Lab  
Advisor: Prof. Mengye Ren

**Undergraduate Researcher** February 2021 – August 2022  
Berkeley Artificial Intelligence Research  
Supervisor: Prof. Sergey Levine

## TEACHING EXPERIENCE

**Section Leader** (Machine Learning) January 2023 – May 2023  
NYU Center for Data Science  
Supervisors: Prof. Mengye Ren, Dr. Ravid Shwartz-Ziv

**Summer Session Lecturer** (Intro to Artificial Intelligence) June 2022 – August 2022  
EECS Department of UC Berkeley  
Supervisor: Dr. Michael Ball

**Undergraduate Student Instructor** (Intro to Artificial Intelligence) January 2020 – May 2022  
EECS Department of UC Berkeley  
Supervisors: Prof. Anca Dragan, Prof. Stuart Russell

## TECHNICAL SKILLS

**Technical skills:** Python (NumPy, Pytorch, TensorFlow, matplotlib, pandas); Java; ROS; git.