

QIANDAO LIU

Cornell University, Ithaca, NY · ql342@cornell.edu · [GitHub](#)

EDUCATION

Cornell University

B.S. in Computer Science, Robotics Minor · GPA: 3.82

Aug 2023 – Dec 2026 (Expected)

Ithaca, NY

– Coursework: Independent Research (CS 4999), Robot Learning (CS 4756), Foundation of Robotics (CS 4750), Optimization Methods for Robotics (CS 5757), Fast Robot (CS 4190), Autonomous Mobile Robotics (CS 4180)

RESEARCH INTERESTS

My research lies at the intersection of robotics, learning, and control. I am focused on enabling robots to perform useful tasks with adaptability, agility, generalizability, and safety, utilizing learning-based methods that scale with data and computation.

RESEARCH EXPERIENCE

Cornell EmPRISE Lab

Research Assistant · Advisor: [Tapomayukh Bhattacharjee](#)

May 2024 – Present

Ithaca, NY

Cornell Praxis Lab

Research Assistant (Rotation) · Advisor: [Preston Culbertson](#)

Aug 2025 – Dec 2025

Ithaca, NY

PROJECTS

RoboWear: Long-horizon Dressing with T-shirts using Learned Cloth Bunching and Force-limited Diffusion Policies

Pranav Thakkar, [Qiandao Liu](#), Rolando Rodríguez, Keya Aggarwal, Shengmiao Jin, Tapomayukh Bhattacharjee

Under Review RSS 26

EmPRISE Lab, Cornell

RAG-Diff: Adapting Diffusion Policies to Dynamic Constraints with Retrieval-Augmented Guidance

Ruolin Ye, Sarah Ha, Shuaixing Chen, [Qiandao Liu](#), Gavin Chen, Shaoyang Stassen, Mark Zolotas, Jose Barreiros, Tapomayukh Bhattacharjee

Under Review RSS 26

EmPRISE Lab, Cornell

Foundation Model for Robot Assistant Care-giving

Authors TBA

In Submission CoRL 26

EmPRISE Lab, Cornell

HONORS & AWARDS

2024 [Cornell BURE Program](#) with \$7,000 research stipend

2024 [Cornell RCareWorld Hackathon](#) – 2nd Place

2023 [Cornell AppDev Hackathon](#) – Best Backend

TEACHING EXPERIENCE

CS 4750: Foundation of Robotics · Teaching Assistant

Aug 2025 – Dec 2025

CS 1110: Introduction to Computing · Teaching Assistant

Feb 2024 – May 2024

SKILLS

Robot: Franka Emika Panda, Franka Research 3, Kinova Gen3, UR5e

Platforms: Mujoco, Isaac Sim

Programming: Python, Java, C++, C#, R, SQL, Linux, MATLAB, Swift, HTML/CSS/JS

Frameworks: PyTorch, TensorFlow, NumPy, OpenCV, ROS, ROS2, Nvidia Warp