



Qinjie Lin

EDUCATION

09/2020 - 06/2025 (expected)

Northwestern University

- PhD in Computer Science

09/2018 - 06/2020

Northwestern University

- MS in Computer Science
- GPA: 3.87 / 4.0

09/2014 - 06/2018

South China University of Technology

- Bachelor in Computer Science
- GPA: 3.74 / 4.0, TOP 10%

SKILLS

- python, pytorch
- aws, slurm
- ray, docker, kubernetes
- ros, gazebo
- Sequence Modeling
- Reinforcement Learning
- Robot Planning

CONTACT

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🌐 <https://qinjielin-nu.github.io/>

📍 [linkedin](#) [google scholar](#)

ABOUT

I'm a PhD in Computer Science at [Northwestern University](#), advised by Prof. Han Liu. My research focuses on efficiently scaling AI-driven robotics, publish at [ICRA](#), [ICLR](#), [CVPR](#), and [CoRL](#). I've interned at [Meta Reality Lab](#), [Meta's](#) Ranking & Foundational AI, and [Zebra Tech](#).

WORK EXPERIENCE

- **Meta** 05/2024 - 08/2024
Machine Learning Engineer Intern
 - RecGPT modelling at Ranking & Foundational AI
 - Deliver a model that improves a **0.04% NE—20%** of the seasonal goal
- **Meta** 06/2023 - 10/2023
AI Research Scientist Intern
 - Temporal Hierarchical Planning at Reality Lab
 - **1st** method solving time constraint in hierarchical planning
- **Zebra Tech** 09/2021 - 12/2021
Machine Learning Engineer Intern
 - Sequence Modeling for Reinforcement Learning
 - Reduce **10%** training time and **10%** success rate in multi-task setting
- **Inmotion Robotics** 06/2018 - 07/2018
Robotics SLAM Intern
 - Benchmarking SLAM method in in-door navigation setting

RESEARCH PUBLICATIONS

Robotics

- **(ICRA 2024)** DOS[®]: A Deployment Operating System for Robots
G Ye, Q Lin, Z Luo, H Liu
- **(ICRA 2023)** EMS[®]: A Massive Computational Experiment Management System towards Data-driven Robotics
Q Lin, G Ye, H Liu
- **(CoRL 2021)** RoboFlow: a Data-centric Workflow Management System for Developing AI-enhanced Robots
Q Lin, G Ye*, J Wang, H Liu*
- **(ICLR 2020)** Learning to Plan in High Dimensions via Neural Exploration-Exploitation Trees
B Chen, B Dai, Q Lin, G Ye, H Liu, L Song
- **(ICRA 2020)** Collision-free Navigation of Human-centered Robots via Markov Games
G Ye, Q Lin*, T Juang, H Liu*
- DecisionPilot: A Grammar-aware Framework to Enhance LLM-based Embodied Decision Making
Q Lin, H Liu

LLMs & Foundational Model

- **(CVPR 2025)** Free-viewpoint Human Animation with Pose-correlated Reference Selection
- Switch Trajectory Transformer with Distributional Value Approximation for Multi-Task Reinforcement Learning
- AURORA: A Time Series Foundational Model for Astrophysics
- GenomeAI: Integrated Fine-Tuning, Inference, and Benchmarking for Genomic Foundation Models