



Qinjie Lin

CONTACT

✉ qinjielin2018@u.northwestern.edu

🌐 <https://qinjielin-nu.github.io/>

📍 [linkedin](#) [google scholar](#)

EDUCATION

2020 - 2025

Northwestern University

- PhD in Computer Science

2018 - 2020

Northwestern University

- MS in Computer Science
- GPA: 3.87 / 4.0

2014 - 2018

South China University of Technology

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

FOCUS & SKILLS

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

WORK EXPERIENCE

- **Meta** 05/2024 - 08/2024
Machine Learning Engineer Intern
 - RecGPT modelling at Ranking & Foundational AI
- **Meta** 06/2023 - 10/2023
AI Research Scientist Intern
 - Temporal Hierarchical Planning at Reality Lab
- **Zebra Tech** 09/2021 - 12/2021
Machine Learning Engineer Intern
 - Sequence Modeling for Reinforcement Learning
- **Inmotion Robotics** 06/2018 - 07/2018
Robotics SLAM Intern
 - Sequence Modeling for Reinforcement Learning

RESEARCH PUBLICATIONS

Robotics

- DecisionPilot: A Grammar-aware Framework to Enhance LLM-based Embodied Decision Making
Q Lin, 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*
- (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*

LLMs & Foundational Model

- Switch Trajectory Transformer with Distributional Value Approximation for Multi-Task Reinforcement Learning
Q Lin, H Liu, B Sengupta
- AURORA: A Time Series Foundational Model for Astrophysics
W Li, Q Lin, H Liu ...
- (CVPR 2025) Free-viewpoint Human Animation with Pose-correlated Reference Selection
F Hong, ZXu, H Liu, Q Lin, ...
- GenomeAI: Integrated Fine-Tuning, Inference, and Benchmarking for Genomic Foundation Models
W We, X Song, Q Lin, H Liu