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