

# (1) Spatial Intelligence, Embodied Agents



World Model  
(WorldAgen,  
ENACT)

Think from  
Limited Views  
(MindCube)

Think with  
Constraints  
(LayoutVLM)

Think with Dynamics  
(4D - IKEA Manual,  
HourVideo, T\*)

# (2) Reasoning, Planning and Agent Training



LLM Agents



VLM Agents

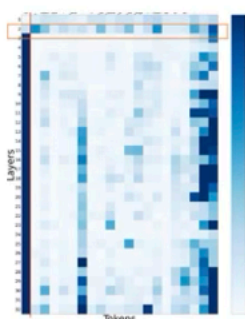


Embodied Agent Interface (2024)  
ROSETTA (2025) ERA (2025)  
EmbodiedBench (2025)

Embodied Agents

# (3) Mech. Interpretability (4) Safety, Trustworthiness

Open Up Models



Safe Reasoning

GAIA  
(ACL 2020 Best Demo Paper)  
COVID-KG  
(NAACL 2021 Best Demo Paper)  
LM-Steer  
(ACL 2024 Outstanding Paper)  
Event Acquisition  
(ACL Thesis Award Honorable Mention)  
ODE-Steer  
(under review, 2025)

Safe Planning / VLA



Guided by Barrier function  
(under review, 2025)



**Manling Li**

manling.li@northwestern.edu



**Assistant Professor (2024.9-)**  
Northwestern University, Chicago



**Postdoc (2024)**  
mainly work w/ Jiajun Wu and Fei-Fei Li



**PhD (2023)**  
advisor: Heng Ji

## Achievements in Our First Year

1. RAGEN: 2.4k+ Github Stars within months of release
  - **Best Poster Award** at Midwest ML Symposium 2025
  - **Featured by** MIT Tech Review, Lambda Partner Spotlight, Medium, AI News, VentureBeat, etc
  - **Invited talks** at Deepmind, GenAI Summit, AI Agent Summit at Berkeley, CrossFuture AI Summit, etc
2. **Outstanding Paper Award** at ACL 2024
3. **Oral (top 0.36%)** at NeurIPS 2025
4. **Oral (top 1%)** at ICML 2025
5. **Oral (top 0.4%)** at NeurIPS 2024
6. **Best Paper Award** at RSS 2025 CRLH workshop
7. **Best Paper Award** at ICCV 2025 SP4V workshop
8. **Best Paper Award (top 1%)** at SoCal NLP 2024
9. **Best of ICCV** by Voxel51
10. **ACL 2025 Dissertation Award Honorable Mention** (the only awardee in the graduation class of 2023)
11. **MIT Tech Review 35 under 35** Global
12. AAAI 2025 New Faculty Highlight
13. NSF CS4Grad PhD Fellowship: Anabella Isaro
14. Amazon Scholar