Zhenze Mo

mo.zh@northeastern.edu • ZhenzeMo • linkedin.com/in/zhenze-mo

EDUCATION

Northeastern University, Boston, USA — 09/2023 – 08/2026 (Expected)
Master of Science in Computer Science — GPA: 4.0/4.0

Huazhong Agricultural University, Wuhan, China — 09/2018 – 06/2022
Bachelor of Engineering in Landscape Architecture

RESEARCH INTERESTS

- **Human–Machine Intelligence ⟨Foundations⟩:** Investigating how human cognition and machine intelligence mutually inform each other. Using LLMs to simulate and probe human cognitive processes (AI for Human Cognition) while leveraging cognitive architectures to improve AI alignment and reasoning (Human Cognition for AI).
- **Social Cognition & Intelligence ⟨Alignment⟩:** Focusing on Theory of Mind (ToM) and moral reasoning in multi-agent environments. Achieving bidirectional alignment by integrating human specifications into AI training (AI-centered) while empowering humans to critically collaborate with AI systems (Human-centered).
- **Computational Social Cognition ⟨Simulation⟩:** Focusing on scaling individualized process reasoning. Capturing human tacit knowledge and modeling behavior with LLMs to inform real-world problems. utilizing structured cognitive modeling to simulate how individuals interpret and adapt to different situations, incorporating human biases and flaws.

RESEARCH EXPERIENCE

MIT–UF–NU Summer Research Camp — Boston, USA
Summer Research Intern — Mentors: Ao Qu, Chance Jiajie Li — 06/2025 – 10/2025
Research Topic: Scalable evaluation of LLMs' ability to simulate individual-level social reasoning.

- Focused on evaluating LLM agents' ability to model human thought and behavior in complex social and moral decision-making scenarios at the individual level.
- Built a scalable data pipeline that collects and curates over 30,000 real-world user profiles from online platforms, enabling diverse and ecologically valid individualized evaluation of LLMs' social reasoning.

PUBLICATIONS (* equal contribution)

Conference

- Chance Jiajie Li*, Jiayi Wu*, **Zhenze Mo**, Ao Qu, Yuhan Tang, Kaiya Ivy Zhao, Yulu Gan, Jie Fan, Jiangbo Yu, Jinhua Zhao, Paul Liang, Luis Alonso, Kent Larson. *"Simulating Society Requires Simulating Thought." NeurIPS 2025.*

In Submission

- **Zhenze Mo***, Chance Jiajie Li*, Ao Qu, Yuhan Tang, Luis Alberto Alonso Pastor, Kent Larson, Jinhua Zhao. *"SUITE: Scaling Up Individualized Theory of Mind Evaluation in Large Language Models." Under review ACL 2026.*
- Chance Jiajie Li*, **Zhenze Mo***, Yuhan Tang*, Ao Qu, Jiayi Wu, Kaiya Ivy Zhao, Yulu Gan, Jie Fan, Jiangbo Yu, Hang Jiang, Paul Pu Liang, Jinhua Zhao, Luis Alonso, Kent Larson. *"HugAgent: Benchmarking LLMs for Simulation of Individualized Human Reasoning." Under review ICLR 2026.*

Workshop

- **Zhenze Mo***, Chance Jiajie Li*, Ao Qu, Yuhan Tang, Luis Alberto Alonso Pastor, Kent Larson, Jinhua Zhao. *"SUITE: Scaling Up Individualized Theory of Mind Evaluation in Large Language Models." Advancing Artificial Intelligence through Theory of Mind Workshop @ AAAI 2026* (Spotlight).
- Chance Jiajie Li*, **Zhenze Mo***, Yuhan Tang*, Ao Qu, Jiayi Wu, Kaiya Ivy Zhao, Yulu Gan, Jie Fan, Jiangbo Yu, Hang Jiang, Paul Pu Liang, Jinhua Zhao, Luis Alonso, Kent Larson. *"HugAgent: Benchmarking LLMs for Simulation of Individualized Human Reasoning." PersonaLLM Workshop @ NeurIPS 2025* (Oral) · *Language, Agent, and World Models (LAW) Workshop @ NeurIPS 2025* (Spotlight).

TEACHING

Northeastern University
Teaching Assistant for CS7150 - Deep Learning (Advisor: Lorenzo Torresani) — Spring 2026

Teaching Assistant for CS7150 - Deep Learning (Advisor: Steve Schmidt) Fall 2025
Teaching Assistant for CS5180 - Reinforcement Learning (Advisor: Robert Platt) Spring 2025

Code in Place (Stanford University) 04/2024 – 06/2024
Section Leader for CS106A

PROFESSIONAL EXPERIENCE

MIT – Tongji City Science Lab, Boston, USA
Software Engineer 10/2023 – 10/2024

Urban Planning & Design Institute of Shenzhen (UPDIS), Shenzhen, China
Urban Designer 02/2022 – 04/2022

COMMUNITY SERVICES

- Reviewer, *Language, Agent, and World Models (LAW) Workshop @ NeurIPS 2025.*

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML/CSS
Libraries: PyTorch, NumPy
Frameworks: React, Node.js, SQL, REST API
Developer Tools: Git, UML, Docker, WSL