Xijia "Polina" Zhang

✉ zhang.xijia@gatech.edu 📣 Zhang Xi-Jia 🌐 xijia.me in Xijia Polina Zhang ○ Annivia

EDUCATION

Georgia Institute of Technology Aug. 2024 – May. 2029
Ph.D. in Robotics

University of Michigan Sep. 2022 – May. 2024
B.S.E in Computer Science

Shanghai Jiao Tong University Sep. 2020 – Aug. 2024
B.E in Electrical and Computer Engineering

PUBLICATIONS

"Explaining Agent Behavior with Large Language Models" ⌐
Zhang Xi-Jia, Yue Guo, Simon Stepputtis, Katia Sycara, Joseph Campbell *IROS 2023 Workshop*

"Learning Effective Action Advising in the Face of Changing Rewards"
Yue Guo, **Zhang Xi-Jia**, Simon Stepputtis, Joseph Campbell, Katia Sycara *CoLLAs 2024 (Oral)*

"Sensor Array Optimization for the Electronic Nose via Different Deep Learning Methods" ⌐
Zhang Xi-Jia*, Tao Wang*, Wangze Ni, Yongwei Zhang, Wen Lv, Min Zeng, Jianhua Yang, Nantao Hu,
Rui Zhan, Guang Li, Zhiqiang Hong, Zhi Yang *Sensors and Actuators: B, 2024*

"Model-Agnostic Policy Explanations with Large Language Models" ⌐
Zhang Xi-Jia, Yue Guo, Shufei Chen, Simon Stepputtis, Matthew Gombolay, Katia Sycara, Joseph
Campbell *(in submission)*

"Towards Human-Free Semantic Interpretability in Reinforcement Learning via Vision-Language Models"
Zhaoxin Li*, **Zhang Xi-Jia***, Batuhan Altundas, Letian Chen, Rohan Paleja, Matthew Gombolay
(in submission)

"Teaching the Teacher: Enhancing Human-to-Robot Skill Demonstration with Live Foundation Model
and Augmented Reality Feedback"
Nina Moorman, Matthew Luebbers, **Zhang Xi-Jia**, Zulfiqar Zaidi, Marcus Lau, Yixing Yao, Megan
Langwasser, Letian Chen, Sanne van Waveren, Matthew Gombolay *(in submission)*

"Communication and Verification in LLM Agents towards Collaboration under Information Asymmetry
Run Peng, Ziqiao Ma, Amy Pang, Sikai Li, **Zhang Xi-Jia**, Yingzhuo Yu, Cristian-Paul Bara, Joyce Chai
(in submission)

SKILLS

`Toolchain`	ROS, ROS2, Linux, Docker, Huggingface, RLlib
`Frameworks & Libraries`	Gym, NLTK, Transformers, Pytorch, Scikit-Learn, OpenAI
`Hands-On Robotics`	TIAGo, Jaco Arm, Khepera, Fetch, Turtle Bot

SELECTED HONORS & AWARDS

Sep. 2024	Robotics Fellowship	*Georgia Institute of Technology*
Mar. 2024	James B. Angell Scholar	*University of Michigan*
Apr. 2024	Elected Member	*Tau Beta Pi, Michigan Gamma*
May. 2021	Chun-Tsung Scholarship	*Shanghai Jiao Tong University*