

Zongxia Li

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College Park, MD

EDUCATION

University of Maryland, College Park <i>Ph.D. of Science in Computer Science</i>	May 2022-Present <i>GPA: 3.50/4.0</i>
University of Maryland, College Park <i>Bachelor of Science in Computer Science</i>	2018-2022 <i>GPA: 3.84/4.0</i>
University of Maryland, College Park <i>Bachelor of Science in Mathematics</i>	2018-2022 <i>GPA: 3.84/4.0</i>

RESEARCH INTERESTS

Self-Evolving AI, Agents, Large Language Models, Multimodal Models, RL finetuning, Post-Training, Human AI Interaction, Evaluation

SKILLS

Languages: Python, C, R, Java, JavaScript
Frameworks/Tools: Pytorch, sqlite, HTML/CSS, L^AT_EX

OPEN SOURCE PROJECTS

- [1. Large Vision-Language Models: A Comprehensive Collection of Benchmarks, RL Alignment, and Applications](#)
- [2. Dr. Claw: Your AI Research Assistant](#)

SELECTED PUBLICATION

- Dawei Liu*, Zongxia Li*, Hongyang Du, Xiyang Wu, Lichao Sun, et al **Graph of Skills: Dependency-Aware Structural Retrieval for Massive Agent Skills**, Preprint, 2026
- Zongxia Li*, Hongyang Du*, Chengsong Huang*, Xiyang Wu, Lantao Yu, Yicheng He, Jing Xie, et al **Mm-zero: Self-evolving multi-model vision language models from zero data**, Preprint, 2026
- Xiyang Wu, Zongxia Li, Guangyao Shi, Alexander Duffy, Tyler Marques, Tianyi Zhou et al **Co-Evolving LLM Decision and Skill Bank Agents for Long-Horizon Tasks**, Preprint, 2026
- Jingxi Chen*, Zongxia Li*, Zhichao Liu, Guangyao Shi, Xiyang Wu, Fuxiao Liu, Cornelia Fermuller, Brandon Y Feng, Yiannis Aloimonos. (* Equal Contribution) **First Frame is the Place to Go for Video Content Customization**. CVPR, 2026
- Zongxia Li*, Wenhao Yu*, Chengsong Huang, Zhenwen Lian¹, Rui Liu, Fuxiao Liu et al. (* Equal Contribution) **Self-Rewarding Vision-Language Model via Reasoning Decomposition**. ICLR, 2026
- Yicheng He*, Chengsong Huang*, Zongxia Li*, Jiaxin Huang, Yonghui Yang. (* Equal Contribution) **VisPlay: Self-Evolving Vision-Language Models from Images**. CVPR, 2026
- Chengsong Huang, Wenhao Yu, Xiaoyang Wang, Hongming Zhang, Zongxia Li, Ruosen Li, Jiaxin Huang, et al. **R-Zero: Self-Evolving Reasoning LLM from Zero Data**. ICLR, 2026
- Zongxia Li, Xiyang Wu, et al. **VideoHallu: Evaluating and Mitigating Multi-modal Hallucinations on Synthetic Video Understanding**. Neurips, 2025

9. Xiyang Wu, Zongxia Li, Jihui Jin, Guangyao Shi, Gouthaman KV, Vishnu Raj, Nilotpal Sinha, Jingxi Chen, Fan Du, Dinesh Manocha. **MASS: Motion-Aware Spatial-Temporal Grounding for Physics Reasoning and Comprehension in Vision-Language Models**. CVPR, 2026
10. (*Human AI Interaction*) Zongxia Li, Lorena Calvo-Bartolomé, et al. **Large Language Models Struggle to Describe the Haystack without Human Help: Human-in-the-loop Evaluation of LLMs** Advised by *Prof. Jordan Boyd-Graber*. In ACL, 2025
11. Zongxia Li, Ishani Mondal, et al. **PEDANTS: Cheap but Effective and Interpretable Answer Equivalence** Advised by *Prof. Jordan Boyd-Graber*. In EMNLP, 2024
12. Tianrui Guan, Fuxiao Liu, Xiyang Wu, Zongxia Li, et al. **HallusionBench: an advanced diagnostic suite for entangled language hallucination and visual illusion in large vision-language models**. In CVPR, 2024

EXPERIENCE

National Institute of Technology, College Park, USA

- *Graduate Research Assistant, Manager: Juan Fung*, May 2023 - May 2024

- Developed ML models for content analysis and data exploration.
- Ablation study to evaluate how users learn from large sets of documents

Adobe, Document Intelligence Lab, College Park, USA

- *Research Assistant Intern, Manager: Ani Nenkova*, May 2024 - Aug 2024

- Use panel of Judges to improve the expert human correlation for long-form text generation.
- Conclude that LLMs are more reliable evaluators than low-quality crowdsource evaluations.

Tencent AI Lab, Belluvue, USA

- *Research Scientist Intern, Manager: Wenhao Yu*, May 2025 - Aug 2025

- Self-Evolving Large Language Models and Vision-Language Models through reinforcement learning
- Grounding large Multimodal models on visual understanding using reinforcement learning and self reward

AWARDS

NIST Fellowship Awards

Lambda Research Grant Sponsorship