

# Zongxia Li

✉ [zli12321@umd.edu](mailto:zli12321@umd.edu) 🌐 [Website](#)  
College Park, MD

## EDUCATION

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

## RESEARCH INTERESTS

Large Language Models, Multimodal Models, RL finetuning, supervised finetuning, Human AI Interaction, Evaluation, Diffusion

## SKILLS

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**Languages:** Python, C, R, Java, JavaScript  
**Frameworks/Tools:** Pytorch, sqlite, HTML/CSS, L<sup>A</sup>T<sub>E</sub>X

## RELATED PUBLICATION

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1. (Post-Training) Zongxia Li, Wenhao Yu, Chengsong Huang, Zhenwen Lian<sup>1</sup>, Rui Liu, Fuxiao Liu, Jingxi Chen, et al. **Self-Rewarding Vision-Language Model via Reasoning Decomposition**. Preprint, 2025
2. (Post-Training) Chengsong Huang, Wenhao Yu, Xiaoyang Wang, Hongming Zhang, Zongxia Li, Ruosen Li, Jiabin Huang, et al. **R-Zero: Self-Evolving Reasoning LLM from Zero Data**. Preprint, 2025
3. (Post-Training) Zongxia Li, Xiyang Wu, et al. **VideoHallu: Evaluating and Mitigating Multi-modal Hallucinations on Synthetic Video Understanding**. Neurips, 2025
4. (*Survey*) Zongxia Li, Xiyang Wu, et al. **A Survey of State of the Art Large Vision Language Models: Benchmark Evaluations and Challenges**. In CVPR workshop, 2025
5. (*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
6. (*Evaluation*) Zongxia Li, Ishani Mondal, et al. **PEDANTS: Cheap but Effective and Interpretable Answer Equivalence** Advised by *Prof. Jordan Boyd-Graber*. In Findings of EMNLP, 2024
7. (*Evaluation, Human-Centric NLP*) Zongxia Li, Andrew Mao, et al. **Improving the TENOR of Labeling: Re-evaluating Topic Models for Content Analysis** Advised by *Prof. Jordan Boyd-Graber*. In EACL, 2024
8. (*Multimodality*) Ishani Mondal, Zongxia Li, et al. **SciDoc2Diagrammer-MAF: Towards Generation of Scientific Diagrams from Documents guided by Multi-Aspect Feedback Refinement**. In Findings of EMNLP, 2024
9. (*Multimodality, evaluation*) 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

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### **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 crowdsourcing evaluations.

### **Tencent AI Lab**, Belluview, USA

- *Research Assistant 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

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### **NIST Fellowship Awards**

### **Lambda Research Grant Sponsorship**