Parsa Hosseini

University of Maryland PhD in Computer Science, GPA: 4.0/4.0		College Park, Maryland Aug 2024 - Present
Sharif University of Technology		Tehran, Iran
Bachelor of Computer Engineering; GPA: 19.	.03/20	Sep 2019 - Feb 2024
Research Interests		
Multimodal LLMs	• Agentic AI and Tool Use	
Reasoning	• Robustness	
Research Experience		
Graduate Research Assistant, Reliable Advisor: Prof. S Feizi	AI Lab, University of Maryland	College Park, Maryland Aug 2024 - Present
o Research Topics: Multimodal LLMs, Too		
Intern, Okinawa Institute of Science and Mentors: Dr. M Yamada, Dr. M Sabokrou		Okinawa, Japan Jul 2023 - Oct 2023
• Research Topics: Trustworthy ML, Conti	9	
Undergraduate Research Assistant, ML Advisor: Prof. MS Baghshah Research Topics: Out-Of-Distribution Ge		Tehran, Iran Sep 2022 - Jan 2024
_	eneralization, Spurious Correlation	
Publications		
*	denotes equal contribution.	
"GHOST: Hallucination-Inducing Imag AY Parast*, P Hosseini*, H Asadollahzade		arXiv Preprint
"Seeing What's Not There: Spurious C P Hosseini*, S Nawathe*, M Moayeri, S Be		$arXiv\ Preprint$
"Structured Reasoning Elicits Robustne W Wang, P Hosseini, S Feizi	ess in LLMs against Reference Corrup	tion" $arXiv\ Preprint$
"Gaming Tool Preferences in Agentic L K Faghih, W Wang, Y Cheng, S Bharti, G S		i, S Feizi EMNLP 2025
"Decompose-and-Compose: A Composi FH Noohdani, P Hosseini*, AY Parast*, H		us Correlation" CVPR 200
Honors, Awards, and Talks		
• Dean's Fellowship, Department of Comput	er Science, University of Maryland	Sep 2024
• Talk: "Mitigating Spurious Correlation", Okinawa Institute of Science and Technology		Sep 2023
• Gold medal in Iranian Mathematical O	lympiad	Sep 2018
• Silver medal in Iranian Geometry Olym	npiad	Sep 201
Service		
• ICLR Workshop Co-organizer: Workshop on	Spurious Correlation and Shortcut Learning (I	CLR 2025)
• Reviewer: Major AI Conferences		
SKILLS SUMMARY		
• Programming: Python, C/C++, UNIX Shell, 3		
• Machine Learning Frameworks: PyTorch, Te		
• AI/ML Expertise: Multimodal LLMs, Diffusio		
• Systems & Infrastructure: MCP, GPU Cluste	ers, Shorawi, virtuar machines, FostgresQL, Gl	o, supyter
LANGUAGES - English: Fluont	Matina a Iomana Elan d	wy Drofiaion ar-
	n: Native • Japanese: Elementa	r ronciency
Teaching Experience		

Math Olympiad Instructor

Compiler Design, Probability & Statistics, and Discrete Structures. Various High Schools

2019 - 2024

Teaching Assistant for major CS courses including Machine Learning, Artificial Intelligence, Convex Optimization,