

Haz Shahgir

hshah057@ucr.edu | [LinkedIn](#) | [GitHub](#) | [Google Scholar](#)

EDUCATION

University of California, Riverside

PhD in Computer Science

Research Focus: Multimodal Interpretability and Safety, Long Context Safety, AI for Science

Sep 2024 – Aug 2028 (expected)

Advisor: Yue Dong

Bangladesh University of Engineering and Technology

BSc in Computer Science and Engineering

Apr 2019 – May 2024

CGPA: 3.98/4.00

SELECTED PUBLICATIONS

[COLM 2026] *VLMs Need Words: Vision-Language Models Ignore Visual Detail in Favor of Semantic Anchors*

Haz Shahgir, Xiaofu Chen, Yu Fu, Erfan Shayegani, Nael Abu-Ghazaleh, Yova Kementchedjhieva, Yue Dong

[NeurIPS 2026] *AbFlowNet: Optimizing Antibody-Antigen Binding Energy via Diffusion-GFlowNet Fusion*

Abrar Rahman Abir*, Haz Shahgir*, Rownok Zahan Ratul, Toki Tahmid, Greg Ver Steeg, Yue Dong

[NeurIPS 2026] *Do Reasoning LLMs Refuse What They Infer in Long Contexts?*

Yu Fu, Haz Shahgir, Zhipeng Wei, Huanli Gong, N. Benjamin Erichson, Yue Dong

[AAAI 2026] *Harnessing the Unseen: The Hidden Influence of Intrinsic Knowledge in Long-Context Language Models*

Yu Fu, Haz Shahgir, Hui Liu, Xianfeng Tang, Qi He, Yue Dong

[ICML 2026] *D-Judge: Disrupting Multi-Turn Jailbreaks using Semantics-Preserving Output Rewriting*

Huanli Gong*, Zhipeng Wei*, Yu Fu, Haz Shahgir, Ananya Gupta, Yue Dong, N. Benjamin Erichson

[Findings of EMNLP 2025] *ExpertGenQA: Open-ended QA Generation in Specialized Domains*

Haz Shahgir, Chansong Lim, Jia Chen, Evangelos E. Papalexakis, Yue Dong

[ICIP 2025] *Leveraging Complementary Attention Maps in Vision Transformers for OCT Image Analysis*

Haz Shahgir*, Tanjeem Azwad Zaman*, Khondker Sayeed, Asif Haider, Sheikh Rahman, Sohel Rahman

[COLM 2024] *IllusionVQA: A Challenging Optical Illusion Dataset for Vision-Language Models*

Haz Shahgir*, Khondker Sayeed*, Abhik Bhattacharjee, Wasi Ahmad, Yue Dong, Rifat Shahriyar

[Findings of ACL 2024] *Asymmetric Bias in Text-to-Image Generation with Adversarial Attacks*

Haz Shahgir, Xianghao Kong, Greg Ver Steeg, Yue Dong

[Nature Comm. Biology 2024] *BiRNA-BERT Allows Efficient RNA Language Modeling with Adaptive Tokenization*

Md. Toki Tahmid*, Haz Shahgir*, Sazan Mahbub, Yue Dong, Shamsuzzoha Bayzid

* Equal contribution.

RESEARCH & INDUSTRY EXPERIENCE

Amazon

Applied Scientist Intern, Account Integrity – Buyer Risk Prevention

Quantifying and Mitigating the Perceptual Cost of Diffusion-Robust Adversarial Perturbations.

Internal Safety Research Publication.

Jun 2026 – Sep 2026

San Diego, CA

Amazon

Applied Scientist Intern, Account Integrity – Buyer Risk Prevention

Developed CAPTCHA recommendation systems capable of test-time adaptation for at-gate bot mitigation in production.

Jun 2025 – Sep 2025

San Diego, CA

Samsung R&D

Research Assistant, UI Automation Research

Developed LELANTE, an LLM-based agent for executing arbitrary natural-language instructions across Android applications; resulting work published at EASE 2025.

Jun 2023 – Aug 2024

Bangladesh

PROFESSIONAL HIGHLIGHTS

Awards: Eastern European Machine Learning Summer School Best Poster (2023); IEEE Video and Image Processing Cup Champion (2023).

Talks: Co-Presenter, ACL 2024 Tutorial: *Vulnerabilities of Large Language Models to Adversarial Attacks*.

Technical Skills: PyTorch, CUDA, Triton, JAX, vLLM, SGLang, DSPy, AWS AI Services.