



# Join VISTA Lab

Fully Funded Ph.D. and M.S. Positions at a Carnegie R1 University

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## Shape the Future of Trustworthy AI

The Visual Intelligence Systems for Trustworthy AI (VISTA) Lab is seeking motivated students to advance trustworthy, robust, and generalizable AI systems that can perceive, reason, and act reliably in complex real-world environments. Students will work on impactful research in computer vision, multimodal learning, and foundation models, with applications in safety-critical AI systems.

## Research Areas

- Computer Vision and Physical AI
- Vision-Language Models and Large Multimodal Models
- Foundation Models for Perception, Reasoning, and Action
- Generalization, Adaptation, and Continual Learning
- Trustworthy and Uncertainty-Aware AI
- Anomaly Detection and Quality Control
- AI for Healthcare, Autonomous Driving, Digital Trust, and Biometrics

## Example Research Problems

- Memory-augmented VLMs for long-horizon reasoning
- Physical-space reasoning and embodied AI
- Closed-loop multimodal AI systems
- Robust perception for autonomous driving
- Test-time adaptation of VLMs and MLLMs
- Continual learning for multimodal AI

## Why Join VISTA Lab?

- ✔ Fully funded Ph.D. positions
- ✔ Competitive stipend, tuition waiver, and health insurance
- ✔ Close faculty mentorship
- ✔ Carnegie R1 research environment
- ✔ Cutting-edge AI research with real-world impact
- ✔ Interdisciplinary collaborations
- ✔ Publish at top AI venues including CVPR, ICCV, ECCV, NeurIPS, ICML, ICLR, AAI, SIGKDD, and WACV

## Who Should Apply?

- Strong programming skills in Python and PyTorch
- Background in machine learning or computer vision
- Curiosity and motivation for research
- Interest in solving challenging real-world AI problems

Having publications is a plus, but not required. We welcome motivated students who are eager to pursue impactful research.

## Apply

Email: [hossein.kashiani@usu.edu](mailto:hossein.kashiani@usu.edu)

Subject: **VISTA Lab Application – Your Name**

Include: **CV, academic transcripts, and publications or a Google Scholar profile.**



Homepage



VISTA Lab

Become part of VISTA Lab and help build the next generation of trustworthy AI systems.