

# Abdollah Zakeri, Ph.D.

📍 Redwood City, CA — 📞 720-205-8662 — ✉️ [abdollah.zakeri1997@gmail.com](mailto:abdollah.zakeri1997@gmail.com) — 🌐 [Abdollah Zakeri](https://abdollahzakeri.github.io) — 📄 <https://abdollahzakeri.github.io>

**Summary** — Senior data scientist at C3.ai; Computer science Ph.D. degree from University of Houston, with expertise in computer vision, deep learning, and robotics, backed by strong research, publications, and industry experience.

## Selected Skills

<b>Languages</b> Python, C++, Shell, MATLAB	<b>Multimodal</b> Vision-Language Models, Prompt Engineering
<b>Deep Learning</b> PyTorch, TensorFlow, Lightning	<b>Deployment</b> Docker, Conda, TensorRT, CUDA, Slurm, Git
<b>Computer Vision</b> OpenCV, YOLO, TorchVision, Detectron2	<b>Data Science</b> Pandas, Numpy, SQL, Matplotlib,
<b>LLMs / GenAI</b> Transformers, Tokenizers, LangChain, OpenAI	Scikit-KLearn, XGBoost, LightGBM

## Experience

**C3.ai - Senior Data Scientist** Redwood City, CA - Sep 2025 – Feb 2026  
• Development and deployment of end-to-end ML pipelines in several projects, including inventory optimization, time series forecasting using transformers, and data mapping/ingestion using LLMs.

**University of Houston - Graduate Research Assistant, Robotics & AI** Houston, TX - Aug 2022 – Aug 2025  
• Led AI and vision system development for an autonomous mushroom harvesting robot.  
• Learning Disability (LD) risk assessment based on handwriting using multi-modal classification  
• COVID severity detection for pediatric patients using CXR images and vision transformer

**C3.ai - Data Science Intern** Redwood City, CA - May 2024 – Aug 2024  
• Developed and deployed multi-modal vision network for C3.ai property appraisal R&D  
• Developed and deployed a complete ML solution for C3.ai property appraisal product

**Founder and CEO at Pencode Software** Iran - Jul 2016 – Aug 2022  
• Delivered ML solutions for quality assessment (e.g., X-ray tire inspection using CNNs).

**Co-Founder and board member in Nimrou startup** Iran - Aug 2017 – Aug 2022  
• Developed frontend and backend of the website + RESTful API for android and IOS applications  
• Currently active having 10k+ monthly clients

## Education

**Ph.D. in Computer Science - GPA: 3.91** University of Houston - Aug 2022 – Aug 2025  
• Research focus: computer vision, robotics, multimodal deep learning.

**M.S. in AI & Robotics Engineering - GPA: 3.91** Shahrood Univ. of Technology - Sep 2020 – Aug 2022  
• Research focus: Deep learning, Computer Vision, Biometrics

**B.S. in Software Engineering - GPA: 3.67** University of Birjand - Sep 2015 – Mar 2020

## Honors and Awards

- 2nd place in Coogs-for-energy hackathon - University of Houston
- 2nd place in C3.AI company-wide generative AI hackathon
- 1st place in 6th Birjand University Annual ACM/ICPC

## Certifications

- TensorFlow Developer – DeepLearning.AI
- Generative Adversarial Networks Specialization – DeepLearning.AI
- Deep Learning Specialization – DeepLearning.AI

## Selected Publications

- **Zakeri, A.**, et al. “Fill The Void: Context-Aware Depth Inpainting for Reliable 3-D Perception in Mushroom Harvesting” *COMPAG*, 2025.
- **Zakeri, A.**, et al. “Species-Aware Growth and Yield Forecasting for Commercial Mushroom Farms” *COMPAG*, 2025.
- **Zakeri, A.**, et al. “SMS3D: 3D Synthetic Mushroom Scenes for Detection and Pose Estimation.” *Computers*, 2025.
- **Zakeri, A.**, Hassanpour, H. “WhisperNet: Deep Siamese Network for Lip-Based Biometrics.” *ICSPIS, IEEE*, 2021.
- Nguyen, V.D., **Zakeri, A.**, et al. “Tackling Domain Shifts in Person Re-Identification.” *CVPR*, 2024.

## References

- Dr. Fatima Merchant - [fmerchant@uh.edu](mailto:fmerchant@uh.edu)
- Dr. Driss Benhaddou - [dbenhaddou@uh.edu](mailto:dbenhaddou@uh.edu)
- Dr. Shishir Shah - [sshah@uh.edu](mailto:sshah@uh.edu)