

Abdollah Zakeri, Ph.D.

📍 Redwood City, CA — 📞 720-205-8662 — ✉️ abdollah.zakeri1997@gmail.com — 🌐 Abdollah Zakeri — 🌐 <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

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

Experience

C3.ai - Senior Data Scientist Redwood City, CA - September 2025 – Present

- Working on inventory optimization

University of Houston - Graduate Research Assistant, Robotics & AI Houston, TX - Aug 2022 – August 2025

- Led AI and vision system development for 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).
- Supervised multiple student teams; organized ACM ICPC training and contests at university level.

Co-Founder and board member in Nimrou startup Iran - August 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 – Present

- 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
- Dr. Driss Benhaddou - dbenhaddou@uh.edu
- Dr. Shishir Shah - sshah@uh.edu