Trong Thang Pham

Contact Information

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Education

University of Arkansas, Fayetteville, AR
Ph.D., Computer Science (Expected Dec 2026)

Viet Nam National University, Ho Chi Minh City, University of Science
B.S., Honors in Information Technology

Selected Publications

1. **Trong Thang Pham**, et al. **CT-ScanGaze: A Dataset and Baselines for 3D Volumetric Scanpath Modeling.** In *The IEEE/CVF International Conference on Computer Vision* (ICCV) **(Highlight)** 2025.
2. **Trong Thang Pham**, et al. **Interpreting Radiologist's Intention from Eye Movements in Chest X-ray Diagnosis.** In *Proceedings of the ACM International Conference on Multimedia* (ACMMM) **(Outstanding Paper)** 2025.
3. **Trong Thang Pham** et al. **GazeSearch: Radiology Findings Search Benchmark,** In *The IEEE/CVF Winter Conference on Applications of Computer Vision* (WACV) **(Oral)** 2025.
4. **Trong Thang Pham** et al. **FG-CXR: A Radiologist-Aligned Gaze Dataset for Enhancing Interpretability in Chest X-Ray Report Generation,** In *The Asian Conference on Computer Vision* (ACCV) 2024.
5. Yamazaki, Kashu, Taisei Hanyu, Khoa Vo, **Trong Thang Pham**, Minh Tran, Gianfranco Doretto, Anh Nguyen, and Ngan Le. **Open-Fusion: Real-time Open-Vocabulary 3D Mapping and Queryable Scene Representation.** In *The IEEE International Conference on Robotics and Automation* (ICRA) 2024.
6. **Trong Thang Pham** et al. **I-AI: A Controllable & Interpretable AI System for Decoding Radiologists' Intense Focus for Accurate CXR Diagnoses,** In *The IEEE/CVF Winter Conference on Applications of Computer Vision* (WACV) 2024.
7. Le, Nhat, **Trong Thang Pham**, Tuong Do, Erman Tjiputra, Quang D. Tran, Anh Nguyen. **Music-Driven Group Choreography.** In *The IEEE/CVF Conference on Computer Vision and Pattern Recognition* (CVPR) 2023.

Employment and Research Experience

University of Arkansas
Graduate Research Assistant Jan 2023 - Present

- **Computer-aided Diagnosis**: Research and develop datasets and state-of-the-art methods on eye tracking data to help reducing human error while increasing overall accuracy in reading CXR or CT scan. Published papers in **ICCV 2025, ACM MM 2025, Artificial Intelligence In Medicine (Elsevier), Image and Vision Computing (Elsevier), WACV 2024 & 2025, and ACCV 2024**.
- **Robotics**: Research and develop a real-time system for point cloud object detection and segmentation. Co-authored a paper published in **ICRA 2024**.

AIOZ AI Singapore
R&D Scientist Nov 2021 - Oct 2022

- **3D human motion reconstruction in the wild**: Research and develop dataset and baselines for Group Dance Motion. Published papers in CVPR 2023 and CVPR Workshop 2023.
- **AI Talking Avatar**: Research and develop products for generating audio-driven 2D talking face animation and face reenactment. Published a paper in CVPR Workshop 2024.

SKILLS

Research, Artificial Intelligence, Deep Learning, Computer Vision, Medical Imaging Analysis, Eye Tracking, Large-scale Training, Slurm, PyTorch, PyTorch Lightning, Python, Linux

REFERENCES

Dr. Ngan Le, Assistant Professor, EECS, University of Arkansas.
`thile@uark.edu`