Trong Thang Pham

Google Scholar ◇ Homepage
Github ◇ phamtrongthang123@gmail.com

Summary

My research interests are Computer Vision, Explainable AI, Medical Imaging Analysis, Multi-modal Deep Learning, Robotic and 3D human modeling. I have solid experience working with Python and Pytorch for my main research (3 years) and I have published in top conferences, including CVPR, ICRA and WACV.

Skills

Computer Vision, Medical Imaging Analysis, Explainable AI, PyTorch, Python, C/C++

Experience

AICV Lab, 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 WACV 2024, 2025 and ACCV 2024.*

AIOZ AI
R&D Scientist *Nov 2021 - Nov 2022*

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

Education

University of Arkansas, Fayetteville, AR
Ph.D. in Computer Science (Advisor: Ngan Le) *Jan 2023 - Present*

University of Science, VNU-HCM
B.Sc. Honors in Computer Science *Sep 2017 - Oct 2021*

Selected Publication

Conference Papers

- **Trong Thang Pham** et al. **GazeSearch: Radiology Findings Search Benchmark, In *WACV 2025***
- **Trong Thang Pham** et al. **FG-CXR: A Radiologist-Aligned Gaze Dataset for Enhancing Interpretability in Chest X-Ray Report Generation, In *ACCV 2024***
- **Trong Thang Pham** et al. **Style Transfer for 2D Talking Head Generation, In *CVPRW 2024***
- 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 *ICRA 2024***
- **Trong Thang Pham** et al. **Decoding Radiologists Intense Focus for Accurate CXR Diagnoses: A Controllable and Interpretable AI System, In *WACV 2024***
- Le, Nhat, **Trong Thang Pham**, Tuong Do, Erman Tjiputra, Quang D. Tran, and Anh Nguyen. **Music-Driven Group Choreography, In *CVPR 2023***
- Nguyen, Tien-Phat, **Trong Thang Pham**, Tri Nguyen, Hieu Le, Dung Nguyen, Hau Lam, Phong Nguyen, Jennifer Fowler, Minh-Triet Tran, and Ngan Le. **EmbryosFormer: Deformable Transformer and Collaborative Encoding-Decoding for Embryos Stage Development Classification, In *WACV 2023***

Awards

Doctoral Academy Fellowships award - University of Arkansas *2023*
Vietnam National Master/PhD Scholarship *2021*
Top 20 students contributed greatly to Vietnam AI Research *2021*

Services

Reviewer at IEEE TIP, CVPR 2024 & 2025, ECCV 2024, AAAI 2025, WACV 2025, ACCV 2024
Teaching Assistant CSCE 5613: Introduction to Artificial Intelligence, University of Arkansas