Xi Tian

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SUMMARY

I hold a PhD focusing on multimodal deep learning for computer vision, specializing in text-guided image and 3D shape generation. My previous employment has involved working with large language models and deep learning-based medical image processing.

EDUCATION

Ph.D. in Computer Vision, University of Bath, UK   2019 - 2024

M.Sc. in Machine Learning, University of Bristol, UK   2014 - 2015

B.E. in Computer Science, BUPT, China   2010 - 2014
(Beijing University of Posts and Telecommunications)

EMPLOYMENT

AI Research Intern, Lambda Inc., US (Remote)   May - Nov. 2023
Research on large language models.

Deep Learning Researcher, InferVision Technology Inc., China   Jun. 2018 - Sep. 2019
R&D of advanced deep-learning algorithms for medical image analysis.

Big Data Developer, Beijing Huawei Technology Inc., China   2016 - 2017
Developed and maintained data processing pipelines using a Spark-based platform.

Web Development Intern, Nudge Inc., Silicon Valley, US   Summer, 2013
Contributed to the development of the user interface for nudge.com.

PUBLICATIONS

[1] X. Tian, Y.-L. Yang, and Q. Wu, "Shapescaffolder: Structure-aware 3d shape generation from text," in *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, pp. 2715–2724, October 2023.

[2] X. Tian, Y. Yang, and Q. Wu, "Enhancing person synthesis in complex scenes via intrinsic and contextual structure modeling," in *33rd British Machine Vision Conference 2022, BMVC 2022, London, UK, November 21-24, 2022*, BMVA Press, 2022.

[3] X. Tian, Y. Yang, and Q. Wu, "Script-to-storyboard: A new contextual retrieval dataset and benchmark," *Computational Visual Media (CVM)*, 2022.

[4] Z. Liu, Y. Zhu, Y. Yuan, L. Yang, K. Wang, M. Wang, X. Yang, X. Wu, X. Tian, R. Zhang, *et al.*, "3d densenet deep learning based preoperative computed tomography for detecting myasthenia gravis in patients with thymoma," *Frontiers in Oncology*, vol. 11, p. 631964, 2021.

[5] Q. Li, B. Yu, X. Tian, X. Cui, R. Zhang, and Q. Guo, "Deep residual nets model for staging liver fibrosis on plain ct images," *International Journal of Computer Assisted Radiology and Surgery*, vol. 15, pp. 1399–1406, 2020.

[6] Y. Zhu, Y.-L. Liu, Y. Feng, X.-Y. Yang, J. Zhang, D.-D. Chang, X. Wu, X. Tian, K.-J. Tang, C.-M. Xie, *et al.*, "A ct-derived deep neural network predicts for programmed death ligand-1 expression status in advanced lung adenocarcinomas," *Annals of Translational Medicine*, vol. 8, no. 15, 2020.

[7] J. Ma, Y. Song, X. Tian, Y. Hua, R. Zhang, and J. Wu, "Survey on deep learning for pulmonary medical imaging," *Frontiers of medicine*, vol. 14, pp. 450–469, 2020.

[8] L. Yang, W. Cai, X. Yang, H. Zhu, Z. Liu, X. Wu, Y. Lei, J. Zou, B. Zeng, X. Tian, *et al.*, "Development of a deep learning model for classifying thymoma as masaoka-koga stage i or ii via preoperative ct images," *Annals of Translational Medicine*, vol. 8, no. 6, 2020.

REVIEWER

Journal of Economy and Technology 2024

SKILLS

Python, Pytorch, CNN, Transformers, Diffusion Models, GANs