

# ZEYU ZHANG

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<https://steve-zeyu-zhang.github.io/>

EDUCATION	<b>The Australian National University</b> <i>Bachelor of Science (Advanced) (Honours)</i> • Advisor: Prof. Richard Hartley and Prof. Ian Reid • Research area: 3D Generative AI and AI for Health • GPA: 6.542/7.000	Canberra, Australia 2021 - 2025 (expected)
PUBLICATIONS	<ol style="list-style-type: none"><li><b>Motion Mamba: Efficient and Long Sequence Motion Generation</b> Zeyu Zhang*, Akide Liu*, Ian Reid, Richard Hartley, Bohan Zhuang, Hao Tang<sup>✉</sup> <i>The European Conference on Computer Vision (ECCV) 2024</i></li><li><b>Motion Avatar: Generate Human and Animal Avatars with Arbitrary Motion</b> Zeyu Zhang*, Yiran Wang*, Biao Wu*, Shuo Chen, Zhiyuan Zhang, Shiya Huang, Wenbo Zhang, Meng Fang, Ling Chen, Yang Zhao<sup>✉</sup> <i>The British Machine Vision Conference (BMVC) 2024</i></li><li><b>Sine Activated Low-Rank Matrices for Parameter Efficient Learning</b> Yiping Ji, Hemanth Saratchandran, Cameron Gordon, Zeyu Zhang, Simon Lucey <i>International Conference on Learning Representations (ICLR) 2025</i></li><li><b>Hazards in Daily Life? Enabling Robots to Proactively Detect and Resolve Anomalies</b> Zirui Song, Guangxian Ouyang, Meng Fang, Hongbin Na, Zijing Shi, Zhenhao Chen, Yujie Fu, Zeyu Zhang, Shiyu Jiang, Miao Fang, Ling Chen, Xiuying Chen <i>NAACL 2025 Main</i></li></ol>	
RESEARCH EXPERIENCES	<b>MBZUAI</b>   Research Intern • Worked on unsupervised classification of cellular structures based on cryo-ET, hosted by Assoc. Prof. Min Xu and Prof. Ian Reid.	2024.05 - 2024.06
	<b>La Trobe University</b>   Research Assistant • 3D generation and AI for Health, hosted by Dr. Yang Zhao.	2024.04 - 2024.12
	<b>Monash University</b>   Research Assistant • Efficient and Long Sequence Human Motion Generation, advised by Prof. Bohan Zhuang and Prof. Reza Haffari.	2024.01 - 2024.06
	<b>National Computational Infrastructure (NCI)</b>   Research Intern • Long-tail Large-scale Multi-label Text Classification, hosted by Dr. Jingbo Wang.	2023.02 - 2023.06
	<b>Australian Institute for Machine Learning</b>   Student Researcher • Segmenting Thin CT Scans with Thick Annotations, advised by Prof. Ian Reid, Prof. Richard Hartley, Dr. Yutong Xie, and Dr. Bowen Zhang.	2022.11 - 2023.12
	<b>The Australian National University (ANU)</b>   Student Researcher • A Deep Learning Approach to Diabetes Diagnosis, advised by Prof. Tom Gedeon, Dr. Md Zakir Hossain, Dr. Asif Ahmed, and Rakibul Hasan.	2022.06 - 2022.10
AWARDS AND HONORS	<ul style="list-style-type: none"><li><b>NRF Vacation Scholarship</b>, NeuroSurgical Research Foundation</li><li><b>Flinders Summer Research Scholarship</b>, Flinders CMPH</li><li><b>UNSW Science Vacation Research Scholarship</b>, UNSW Sydney</li></ul>	2023.10 2022.11 2022.10
REFEREES	<b>Distinguished Professor Emeritus Richard Hartley FRS FAA FIEEE</b> richard.hartley@anu.edu.au	ANU
	<b>Professor Ian Reid FAA FTSE</b> ian.reid@mbzuai.ac.ae	MBZUAI
ACADEMIC SERVICES	<b>Reviewers</b> Conference: CVPR 2025, ICLR 2025, IJCAI 2025, CHI 2025, VR 2025, ICME 2025, IJCNN 2025, ICASSP 2025, ISBI 2025, MIUA 2024, BIBM 2024	