Mo Zhou

CONTACT Tel: (+1) ******** 3400 North Charles Street Baltimore, MD 21218 Email: cdluminate@gmail.com **United States** Website: cdluminate.github.io **STATUS** Chinese citizen **CURRENT** • Johns Hopkins University Baltimore, MD, USA 21218 Dept. Electrical and Computer Engineering, Whiting School of Engineering Ph.D. Electrical and Electronics Engineering 08/2021 - Current **INTERESTS** • Machine Learning, Deep Learning, and Computer Vision • Object Recognition and Detection, Vision-Language Models • Adversarial Defense and Robustness for AI Security • Large Language Models • Linux Operating System Development and Administration EXPERIENCE • Microsoft Corporation, Applied Sciences Group Redmond, WA 98052 Research Intern (Deep Learning) 05/2023 - 08/2023 • Wormpex AI Research LLC Bellevue, WA 98004 05/2022 - 08/2022 Research Intern (Computer Vision) Xi'an Jiaotong University Xi'an, Shaanxi 710049 Institute of Artificial Intelligence and Robotics (IAIR) Research Assistant (Computer Vision) 07/2020 - 06/2021 **EDUCATION** Xidian University Xi'an, Shaanxi, China 710071 M.Eng. Pattern Recognition and Intelligent Systems. July, 2020 09/2017 - 06/2020 Thesis: Coherent Visual-Semantic Embedding for Cross-Modal Retrieval Xidian University Xi'an, Shaanxi, China 710126 B.Eng. Electromagnetic Field and Wireless Technology. July, 2017 09/2013 - 07/2017 **PUBLICATIONS** Google Scholar Profile: scholar.google.com/citations?user=BVIO95UAAAAJ (Dec. 27 2023) Citations: 1129 H-Index: 8 i10-Index: 8 Other Identifiers: [ORCiD] [Publons] [Semantic Scholar] [Web of Science] [DBLP] JOURNAL ARTICLES: (1 TPAMI, 1 TMM) [arXiv] [Github] [J01] Mo Zhou, Le Wang, Zhenxing Niu, Qilin Zhang, Nanning Zheng, Gang Hua, "Adversarial Attack and Defense in Deep Ranking," IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2024. [IEEE Xplore] [J02] Le Wang, Mo Zhou, Zhenxing Niu, Qilin Zhang, Nanning Zheng, "Adaptive Ladder Loss for Learning Coherent Visual-Semantic Embedding," IEEE Transactions on Multimedia (TMM), 2021. DOI: 10.1109/TMM.2021.3139210.

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[PDF] [arXiv] [Github]	 [C02] Mo Zhou, Vishal M. Patel, "Enhancing Adversarial Robustness for Deep Metric Learning," in Proc. IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2022. 		
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PATENTS	P01] Le Wang, Mo Zhou, Sanping Zhou, Shitao Chen, Jingmin Xin, Nanning Zheng, "A Practical Relative Order Adversarial Attack Method". Chinese Patent No. 202110998691.9. P02] Zhenxing Niu, Wei Xue, Mo Zhou, Bo Yuan, Xinbo Gao, Gang Hua, "Age estimation method based on multi-output convolution neural network and ordered regression". Chinese Patent No. 201610273524.7.		
ACTIVITIES	• Reviewer of International Conferences		
	 IEEE Conf. on Computer Vision and Pattern Recognition (CVPR) Annual Conf. on Neural Information Processing Systems (NeurIPS) International Conf. on Computer Vision (ICCV) European Conf. on Computer Vision (ECCV) International Conf. Learning Representations (ICLR) International Conf. of Machine Learning (ICML) AAAI Conf. on Artificial Intelligence (AAAI) Winter Conf. on Applications of Computer Vision (WACV) Asian Conf. on Computer vision (ACCV) International Conf. on Pattern Recognition (ICPR) 		

	Reviewer of International Journals	
	 IEEE Trans. on Pattern Analysis and Machine Intelligence (TPAMI IEEE Trans. on Neural Networks and Learning Systems (TNNLS) IEEE Trans. on Multimedia (TMM) IEEE Trans. on Dependable and Secure Computing (TDSC) Elsevier Journal of Neural Networks (NeuNet) Elsevier Journal of Neurocomputing (NeuComp) Elsevier Journal of Image and Vision Computing (IMAVIS) Springer Journal: International Journal of Computer Vision (IJCV) Springer Journal of Machine Vision and Application (MVA) Springer Journal of Complex & Intelligent Systems (CAIS) Oxford University Press: The Computer Journal (COMPJ) 	2021 - 2023 2022 2023 2022 2022 2021 2023 - 2024 2023 2020 - 2023 2021 - 2023 2023
	 Organizer of International Workshops 	
[Website] [Website]	 4th Workshop on Adversarial Robustness In the Real World 4th Workshop of Adversarial Machine Learning on Computer Visio 	ICCV 2023 CVPR 2024
	• Volunteer in Free and Open-Source Software Communities	
	 Official Developer for Debian GNU/Linux Contributor for Gentoo GNU/Linux Contributor of "Deep Dive: AI", Open Source Initiative 	08/2018 – Current 06/2019 – 08/2019 2022
Honors	Outstanding Reviewer for ICCV 2021	2021
	Open Source Promotion Plan (OSPP) with Tsinghua University TUNA Project: Integrating Data Science Software into Debian (Best Quality Award)	A Association 2020
	 Google Summer of Code (GSoC) with Debian Project Project: BLAS/LAPACK Ecosystem Enhancement for Debian 	2020
	 Google Summer of Code (GSoC) with Gentoo Foundation Project: BLAS and LAPACK Runtime Switching 	2019
	 Xidian University Secondary School Scholarship.⁺ 	2017-2018
	• Interdisciplinary Contest in Modeling (ICM) Meritorious Winner. Advisor: Youlong Yang (Xidian University)	2016
Affliation	• Student Member, IEEE	Aug 2021 – Dec 2024
REFERENCES	AVAILABLE UPON REQUEST.	