Mo Zhou

Tel: (+1) ******** CONTACT 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 and Applications • Linux Operating System Development and Administration EXPERIENCE • Google Research, Computational Imaging Team Mountain View, CA 94043 Student Researcher (Computer Vision) 05/2024 - 10/2024 • Microsoft Research, Applied Sciences Group Redmond, WA 98052 05/2023 - 08/2023 Research Intern (Deep Learning) • Wormpex AI Research LLC Bellevue, WA 98004 Research Intern (Computer Vision) 05/2022 - 08/2022 • 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 Xi'an, Shaanxi, China 710126 • Xidian University B.Eng. Electromagnetic Field and Wireless Technology. July, 2017 09/2013 - 07/2017 **PUBLICATIONS** Google Scholar Profile: scholar.google.com/citations?user=BVIO95UAAAAJ (June. 6 2024) Citations: 1263 H-Index: 9 Other Identifiers: [ORCiD] [Publons] [Semantic Scholar] [Web of Science] [DBLP] JOURNAL ARTICLES: (1 TPAMI, 1 TMM) [J01] Mo Zhou, Le Wang, Zhenxing Niu, Qilin Zhang, Nanning Zheng, Gang Hua, "Adversar-[PDF] [arXiv] [Github] ial Attack and Defense in Deep Ranking," IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2024. DOI: 10.1109/TPAMI.2024.3365699 [PDF] [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

(3 CVPR, 2 ICCV, 1 ECCV, 1 NeurIPS, 1 AAAI)

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	PREPRINT / UNDER-REVIEW PAPERS:	
[arXiv]	[X01] Yatong Bai, Mo Zhou, Vishal M. Patel, Somayeh Sojoudi, "MixedNUTS: Training-Free Accuracy-Robustness Balance via Nonlinearly Mixed Classifiers," 2024, Under Reivew.	
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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)

CONFERENCE PAPERS:

2023 - 2024

	 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) 	2021 - 2022 2021 - 2024 2018 - 2024 2024
	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) Elsevier Journal of Computers & Security (COSE) Springer Journal: International Journal of Computer Vision (IJCV) Springer Journal of Machine Vision and Application (MVA) 	2021 - 2023 2022 2023 2022 2022 2021 2023 - 2024 2024 2023 - 2024 2020 - 2023
	 Springer Journal of Complex & Intelligent Systems (CAIS) 	2021 - 2023
	 Oxford University Press: The Computer Journal (COMPJ) 	2023
	 Organizer of International Workshops 	
[Website] [Website]	 4th Workshop on Adversarial Robustness In the Real World 4th Workshop of Adversarial Machine Learning on Computer Vision 	ICCV 2023 CVPR 2024
	 Volunteer in Free and Open-Source Software Communities 	
	 Official Developer for Debian GNU/Linux Contributor for Gentoo GNU/Linux 	08/2018 – Current 06/2019 – 08/2019
Honors	Outstanding Reviewer for CVPR 2024	2024
	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)	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.	