

Mo Zhou

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STATUS	Chinese citizen	
CURRENT	<ul style="list-style-type: none">Electrical and Computer Engineering, Whiting School of Engineering 08/2021 - CurrentJohns Hopkins University, Baltimore, MD 21218<i>Ph.D.</i> Electrical and Electronics Engineering	
INTERESTS	<ul style="list-style-type: none">Machine Learning, Deep Learning and Computer VisionDeep Metric Learning and Cross-modal RetrievalAdversarial Attack and Defense in Deep LearningLinux Operating System Development and Administration	
EXPERIENCE	<ul style="list-style-type: none">Institute of Artificial Intelligence and Robotics (IAIR) 07/2020 - 06/2021Xi'an Jiaotong University, Xi'an, Shaanxi, P.R. China. 710049Research Assistant	
EDUCATION	<ul style="list-style-type: none">Xidian University, Xi'an, Shaanxi, China. 710071 09/2017 - 06/2020<i>M.S.</i> Pattern Recognition and Intelligent Systems. July, 2020<i>Thesis:</i> Coherent Visual-Semantic Embedding for Cross-Modal RetrievalXidian University, Xi'an, Shaanxi, China. 710126 09/2013 - 07/2017<i>B.S.</i> Electromagnetic Field and Wireless Technology. July, 2017	
PUBLICATIONS	Google Scholar Profile: scholar.google.com/citations?user=BVIO95UAAAAJ H-Index: 4 Citations: 570 Jan. 1 2022 ORCID: https://orcid.org/0000-0003-3813-4875 Publons: https://publons.com/researcher/4930582/mo-zhou Semantic Scholar: www.semanticscholar.org/author/Mo-Zhou/2109097390	
JOURNAL ARTICLES:		(0 TPAMI, 1 TMM)
[J01] Mo Zhou , Le Wang, Zhenxing Niu, Qilin Zhang, Nanning Zheng, Gang Hua, “ <i>Adversarial Attack and Defense in Deep Ranking</i> ,” 2021, Under Review. [arXiv] [Github]		
[J02] Le Wang, Mo Zhou , Zhenxing Niu, Qilin Zhang, Nanning Zheng, “ <i>Adaptive Ladder Loss for Learning Coherent Visual-Semantic Embedding</i> ,” IEEE Transactions on Multimedia (TMM), 2021. DOI: 10.1109/TMM.2021.3139210. [IEEE Xplore]		
CONFERENCE PAPERS:		(3 CVPR, 2 ICCV, 1 ECCV, 1 AAAI)
[C01] Mo Zhou , Vishal M. Patel, “ <i>Enhancing Adversarial Robustness for Deep Metric Learning</i> ,” in Proc. IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2022. [arXiv] [Github]		
[C02] Mo Zhou , Le Wang, Zhenxing Niu, Qilin Zhang, Yinghui Xu, Nanning Zheng, Gang Hua, “ <i>Practical Order Attack in Deep Ranking</i> ,” in Proc. IEEE International Conf. on Computer Vision (ICCV), 2021. [PDF] [arXiv] [Github]		

- [C03] Liushuai Shi, Le Wang, Chengjiang Long, Sanping Zhou, Mo Zhou, Zhenxing Niu, Gang Hua, “*SGCN: Sparse Graph Convolution for Pedestrian Trajectory Prediction*”, In Proc. IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2021. [\[PDF\]](#)
- [C04] Mo Zhou, Zhenxing Niu, Le Wang, Qilin Zhang, Gang Hua, “*Adversarial Ranking Attack and Defense*,” in Proc. European Conf. on Computer Vision (ECCV), 2020. [\[PDF\]](#) [\[arXiv\]](#) [\[Github\]](#)
- [C05] Mo Zhou, Zhenxing Niu, Le Wang, Zhanning Gao, Qilin Zhang, Gang Hua, “*Ladder Loss for Coherent Visual-Semantic Embedding*,” in Proc. AAAI Conf. on Artificial Intelligence (AAAI), 2020. [\[PDF\]](#) [\[arXiv\]](#) [\[Github\]](#)
- [C06] Zhenxing Niu, Mo Zhou, Le Wang, Xinbo Gao, Gang Hua, “*Hierarchical Multimodal LSTM for Dense Visual-Semantic Embedding*,” in Proc. IEEE International Conf. on Computer Vision (ICCV), 2017. [\[PDF\]](#)
- [C07] Zhenxing Niu, Mo Zhou, Le Wang, Xinbo Gao, Gang Hua. “*Ordinal Regression with Multiple Output CNN for Age Estimation*,” in Proc. IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2016. [\[PDF\]](#)

PATENTS

- [P01] Le Wang, Mo Zhou, Sanping Zhou, Shitao Chen, Jingmin Xin, Nanning Zheng, “A Practical Relative Order Adversarial Attack Method”. Chinese Patent Application No. 202110998691.9. (Under Application)
- [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 for International Conferences
 - IEEE Conf. on Computer Vision and Pattern Recognition (CVPR) 2020, 2021, 2022
 - Conf. on Neural Information Processing Systems (NeurIPS) 2022
 - International Conf. on Computer Vision (ICCV) 2021
 - European Conf. on Computer Vision (ECCV) 2020, 2022
 - Int. Conf. Learning Representations (ICLR) 2022
 - AAAI Conf. on Artificial Intelligence (AAAI) 2021, 2022
 - Winter Conf. on Applications of Computer Vision (WACV) 2021, 2022
 - Asian Conf. on Computer vision (ACCV) 2018, 2020
- Reviewer for International Journals
 - IEEE, Trans. on Pattern Analysis and Machine Intelligence (TPAMI) 2021
 - Elsevier, Neurocomputing 2021
 - Springer, Journal of Machine Vision and Application (MVA) 2020, 2021
 - Springer, Complex & Intelligent Systems (CAIS) 2021, 2022
- [Volunteer as official Debian GNU/Linux Developer](#) 08/2018 - Current

HONORS

- Selected as one of the [Outstanding Reviewers](#) of ICCV 2021 2021
- Open Source Promotion Plan (OSPP) with Tsinghua University TUNA Association 2020
Project: *Integrating Data Science Software (incl. Xgboost, etc.) into Debian (Best Quality Award)*
- Google Summer of Code (GSoC) with Debian Project 2020
Project: *BLAS/LAPACK Ecosystem Enhancement for Debian*
- Google Summer of Code (GSoC) with Gentoo Foundation 2019
Project: *BLAS and LAPACK Runtime Switching*
- Xidian University Secondary School Scholarship.⁺ 2017-2018

- Interdisciplinary Contest in Modeling (ICM)
Meritorious Winner. Advisor: Youlong Yang (Xidian University)

2016

REFERENCES

AVAILABLE UPON REQUEST.