

## Mo Zhou

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STATUS	Chinese citizen	
CURRENT	<ul style="list-style-type: none"><li>Electrical and Computer Engineering, Whiting School of Engineering 08/2021 - Current Johns Hopkins University, Baltimore, MD 21218 <i>Ph.D.</i> Electrical and Electronics Engineering</li></ul>	
INTERESTS	<ul style="list-style-type: none"><li>Machine Learning, Deep Learning and Computer Vision</li><li>Deep Metric Learning and Cross-modal Retrieval</li><li>Adversarial Attack and Defense in Deep Learning</li><li>Linux Operating System Development and Administration</li></ul>	
EXPERIENCE	<ul style="list-style-type: none"><li>Institute of Artificial Intelligence and Robotics (IAIR) 07/2020 - 06/2021 Xi'an Jiaotong University, Xi'an, Shaanxi, P.R. China. 710049 Research Assistant</li></ul>	
EDUCATION	<ul style="list-style-type: none"><li>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 Retrieval</li><li>Xidian University, Xi'an, Shaanxi, China. 710126 09/2013 - 07/2017 <i>B.S.</i> Electromagnetic Field and Wireless Technology. July, 2017</li></ul>	
PUBLICATIONS	Google Scholar Profile: <a href="https://scholar.google.com/citations?user=BVIO95UAAAAJ">scholar.google.com/citations?user=BVIO95UAAAAJ</a> H-Index: 4 Citations: 512 Sept. 20 2021 ORCID: <a href="https://orcid.org/0000-0003-3813-4875">https://orcid.org/0000-0003-3813-4875</a> Semantic Scholar: <a href="http://www.semanticscholar.org/author/Mo-Zhou/2109097390">www.semanticscholar.org/author/Mo-Zhou/2109097390</a>	
JOURNAL ARTICLES: (0 T-PAMI, ...)		
[J01] <a href="#">Mo Zhou</a> , Le Wang, Zhenxing Niu, Qilin Zhang, Nanning Zheng, Gang Hua, “ <i>Adversarial Attack and Defense in Deep Ranking</i> ,” 2021, Under Review. 2021, Under Review.		
CONFERENCE PAPERS: (2 CVPR, 2 ICCV, 1 ECCV, 1 AAAI)		
[C01] <a href="#">Mo Zhou</a> , 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), Montreal, Canada, 11-17 October, 2021. <a href="#">[PDF]</a>		
[C02] Liushuai Shi, Le Wang, Chengjiang Long, Sanping Zhou, <a href="#">Mo Zhou</a> , Zhenxing Niu, Gang Hua, “ <i>SGCN: Sparse Graph Convolution for Pedestrian Trajectory Prediction</i> ”, In Proc. IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2021), Long Nashville, TN, June 2021. <a href="#">[PDF]</a>		
[C03] <a href="#">Mo Zhou</a> , Zhenxing Niu, Le Wang, Qilin Zhang, Gang Hua, “ <i>Adversarial Ranking Attack and Defense</i> ,” in Proc. European Conf. on Computer Vision (ECCV’2020), Glasgo, Scotland, UK, August 2020. <a href="#">[PDF]</a>		

- [C04] Mo Zhou, Zhenxing Niu, Le Wang, Zhanning Gao, Qilin Zhang, Gang Hua, “*Ladder Loss for Coherent Visual-Semantic Embedding*,” in Proc. The Thirty-Fourth AAAI Conf. on Artificial Intelligence (AAAI’2020), New York City, NY, February 2020. [\[PDF\]](#)
- [C05] 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), Venice, Italy, October 2017. [\[PDF\]](#)
- [C06] 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), Las Vegas, NV, June, 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
  - International Conf. on Computer Vision (ICCV) 2021
  - European Conf. on Computer Vision (ECCV) 2020
  - 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
  - Elsevier, Neurocomputing 2021
  - Springer, Journal of Machine Vision and Application (MVA) 2020, 2021
  - Springer, Complex & Intelligent Systems (CAIS) 2021
- [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.<sup>+</sup> 2017-2018
- Interdisciplinary Contest in Modeling (ICM) 2016  
Meritorious Winner. Advisor: Youlong Yang (Xidian University)

## SKILLS

- Proficient in Python, PyTorch as well as  $\text{\LaTeX}$ .  
Proof: The code for the ICCV21, ECCV20 and AAAI20 paper is based on them.
- Proficient in Git, Bash and Linux System Administration.  
Proof: The official Debian Developer status.
- Familiar with C/C++ programming languages.  
Proof: Created a simple **static-graph deep learning framework**.
- Familiar with Caffe and (lua-based) Torch7.  
Proof: The code for the ICCV17 and CVPR16 paper is based on them.
- Interested in Rust programming language.  
Proof: The Python code of ICCV21 paper calls Rust through FFI for performance.

## REFERENCES

AVAILABLE UPON REQUEST.