Mo Zhou

CONTACT

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Xi'an, Shaanxi, China 710049

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STATUS

Chinese citizen

CURRENT

- Institute of Artificial Intelligence and Robotics (IAIR), Xi'an Jiaotong University
  Xi'an, Shaanxi, P.R. China. 710049
  Research Assistant 07/2020 - Current

INTERESTS

- Deep Learning and Machine Learning
- Computer Vision and Pattern Recognition
- Cross-modal Retrieval and Deep Metric Learning
- Adversarial Attack and Defense in Deep Learning
- Linux Operating System

EDUCATION

- Johns Hopkins University, Baltimore, MD 21218 08/2021 - Current
  Ph.D. Electrical and Electronics Engineering 14.1001
- Xidian University, Xi'an, Shaanxi, China. 710071 09/2017 - 06/2020
  M.S. Pattern Recognition and Intelligent Systems. July, 2020
  Thesis: Coherent Visual-Semantic Embedding for Cross-Modal Retrieval
- Xidian University, Xi'an, Shaanxi, China. 710126 09/2013 - 07/2017
  B.S. Electromagnetic Field and Wireless Technology. July, 2017

PUBLICATIONS

Google Scholar Profile:
https://scholar.google.com/citations?user=BVIO95UAAAAJ
H-Index: 4 Citations: 473 (Jun. 29 2021)
ORCiD: https://orcid.org/0000-0003-3813-4875

PAPERS UNDER REVIEW:

[J01] Mo Zhou, Le Wang, Zhenxing Niu, Qilin Zhang, Nanning Zheng, Gang Hua, *"Adversarial Attack and Defense in Deep Ranking,"* 2021, Under Review.

[J02] Le Wang, Mo Zhou, Zhenxing Niu, Qilin Zhang, Nanning Zheng, *"Adaptive Ladder Loss for Learning Coherent Visual-Semantic Embedding,"* 2021, Under Review.

[J03] Mo Zhou, Le Wang, Zhenxing Niu, Qilin Zhang, Gang Hua, *"Practical Order Attack in Deep Ranking,"* 2021, Under Review.

JOURNAL ARTICLES:

CONFERENCE PAPERS:
(2 CVPR, 1 ICCV, 1 ECCV, 1 AAAI, 1 under review)

[C01] 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), Long Nashville, TN, June 2021.

[C02] Mo Zhou, Zhenxing Niu, Le Wang, Qilin Zhang, Gang Hua, *"Adversarial Ranking Attack and Defense,"* in Proc. European Conf. on Computer Vision (ECCV'2020), Glasgo, Scotland, UK, August 2020.

[C03] 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.

[C04] 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.

[C05] 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.

PATENTS

[P01] 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
  - 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
  - Winter Conf. on Applications of Computer Vision (WACV), 2021, 2022
  - Asian Conf. on Computer vision (ACCV), 2018, 2020
- Reviewer for International Journals
  - Journal of Machine Vision and Application (MVA), 2020, 2021
- Volunteer as Debian GNU/Linux Developer 08/2018 - Current

AWARDS

- Meritorious Winner (Advisor: Youlong Yang). ICM 2016
- Secondary School Scholarship. + 2017-2018
- Completed "BLAS and LAPACK Runtime Switching" with Gentoo Foundation. GSoC 2019
- Completed "BLAS/LAPACK Ecosystem Enhancement for Debian" with Debian Project. GSoC 2020
- Best Quality Award with project "Integrating Data Science Software (incl. Xgboost, etc.) into Debian". OSPP 2020

REFERENCES

AVAILABLE UPON REQUEST.