Wuwei Lan

Department of CSE
The Ohio State University
Columbus, OH-43210

✉ lan.105@osu.edu
☎ +1-352-281-8103
https://lanwuwei.github.io/
https://scholar.google.com/citations?user=rpOgHRMAAAAJ&hl=en

Research

Natural Language Processing, Machine Learning, Deep Learning.

Education

The Ohio State University (OSU) 05/2015-05/2021
◇ Ph.D. in Computer Science and Engineering (ongoing)
◇ Research Topic: Paraphrase, Sentence Pair Modeling

University of Science and Technology of China (USTC) 08/2010-06/2014
◇ B.E. in Computer Science and Engineering
◇ Graduated with highest Guo Moruo scholarship

Professional Experience

Graduate Research Assistant, OSU *Advisor:* Wei Xu 08/2016-Present
◇ Bilingual BERT pre-training for English and Arabic (EMNLP 2020)
◇ Deep neural networks for sentence pair modeling (COLING 2018)
◇ Subword-based embeddings for paraphrase identification (NAACL 2018)
◇ Large-scale paraphrase collection from Twitter (EMNLP 2017)

Research Intern, Tencent AI Lab *Mentor:* Jia Cui, Dong Yu 05/2019-08/2019
◇ Permutation language model for automatic speech recognition

Research Intern, Microsoft Research *Mentor:* Haitao Wu 06/2013-01/2014
◇ Solved incast problem in data center networks (ICNP 2014)

Undergrad Research Assistant, USTC *Advisor:* Shangfei Wang 06/2012-05/2013
◇ Facial expression recognition with deep boltzmann machine (ACII 2013)

Publications

An Empirical Study of Pre-trained Transformers for Arabic Information Extraction
Wuwei Lan, Yang Chen, Wei Xu and Alan Ritter
Proceedings of EMNLP 2020 (short paper) (pdf)

Neural CRF Model for Sentence Alignment in Text Simplification
Chao Jiang, Mounica Maddela, **Wuwei Lan**, Yang Zhong and Wei Xu
Proceedings of ACL 2020 (pdf)

Travel Time Estimation without Road Networks: An Urban Morphological Layout Representation Approach
Wuwei Lan, Yanyan Xu and Bin Zhao
Proceedings of IJCAI 2019 (pdf)

Neural Network Models for Paraphrase Identification, Semantic Textual Similarity, Natural Language Inference, and Question Answering
Wuwei Lan and Wei Xu
Proceedings of COLING 2018, **Best Paper Award** (pdf)

Character-based Neural Networks for Sentence Pair Modeling
Wuwei Lan and Wei Xu
Proceedings of NAACL 2018 (short paper) (pdf)

A Continuously Growing Dataset of Sentential Paraphrases
Wuwei Lan, Siyu Qiu, Hua He and Wei Xu
Proceedings of EMNLP 2017 (pdf)

PAC: Taming TCP Incast Congestion Using Proactive ACK Control
Wei Bai, Kai Chen, Haitao Wu, **Wuwei Lan** and Yangming Zhao
Proceedings of ICNP 2014 (pdf)

Facial Expression Recognition using Deep Boltzmann Machine from Thermal Infrared Images
Shan He, Shangfei Wang, **Wuwei Lan**, Huan Fu, and Qiang Ji
Proceedings of ACII 2013 (pdf)

Talks

◇ Neural Network Models for Sentence Pair Modeling, COLING 2018
◇ Automatic Paraphrase Collection and Identification in Twitter, MSLD 2018
◇ Automatic Paraphrase Collection and Identification in Twitter, OSU 2017
◇ A Continuously Growing Dataset of Sentential Paraphrases, MASC-SLL 2017

Awards

◇ Best Paper Award for COLING 2018.
◇ Guo Moruo Scholarship, the best scholarship of USTC, only 32 award winners, 2014.
◇ CCF Outstanding Undergraduate Award, 100 award winners in China, 2013.
◇ Google Excellence Scholarship, 100 award winners in China, 2013.
◇ National Scholarship, 2 out of 109 in CSE, USTC, 2012.

Academic Service

◇ PC Member for Conference on ACL, 2020
◇ PC Member for workshop of WNUT at EMNLP, 2017-2020
◇ PC Member for Conference on EMNLP, 2018, 2020
◇ PC Member for Conference on COLING, 2018, 2020
◇ PC Member for workshop of ACL-SRW, 2018
◇ PC Member for workshop of MASC-SLL, 2017

Teaching Experience

◇ CSE-3521 (Instructor): Artificial Intelligence I: Basic Techniques
◇ CSE-3521 (Instructor): Introduction to Artificial Intelligence
◇ CSE-5522 (TA): Artificial Intelligence II: Advanced Techniques
◇ CSE-5525 (TA): Speech and Language Processing
◇ CSE-2111 (TA): Modeling and Problem Solving with Database

Affiliations

The Association for Computational Linguistics (ACL)

Technical Skills

◇ Tools: PyTorch, TensorFlow, Keras, Torch
◇ Language: C/C++, Python, Java, Matlab, HTML/CSS, Javascript

References

Wei Xu
Assistant Professor
Computer Science and Engineering Department
The Ohio State University
✉ weixu@cse.ohio-state.edu