

Zihao He

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RESEARCH INTEREST

Natural Language Processing, Computational Social Science, Graph Representation Learning.

EDUCATION

University of Southern California

Doctor of Philosophy, Computer Science

Advisor: Prof. Kristina Lerman

GPA: 3.92/4.00

Los Angeles, CA, USA

08/2019 - present

Beijing University of Posts and Telecommunications

Bachelor of Engineering, Communications Engineering

GPA: 90.38/100, Rank 7/556

Beijing, China

09/2014 - 06/2018

PUBLICATIONS AND PREPRINTS

Infusing Wikipedia Knowledge to Enhance Stance Detection

Zihao He, Negar Mokherian, Kristina Lerman

Under Review at ACL'22

Detecting Polarized Topics Using Partisanship-aware Contextualized Topic Embeddings

Zihao He, Negar Mokherian, Antonio Camara, Andres Abeliuk, Kristina Lerman

Findings of EMNLP'21

Speaker Turn Modeling for Dialogue Act Classification

Zihao He, Leili Tavabi, Kristina Lerman, Mohammad Soleymani

Findings of ENMLP'21

Graph Embedding with Personalized Context Distribution

Zihao He, Di huang, Yuzhong Huang, Kexuan Sun, Sami Abu-El-Haija, Bryan Perozzi, Kristina Lerman, Aram Galstyan

WWW'20 (Workshop of Deep Learning for Graphs)

Automatic grassland degradation estimation using deep learning

Xiyu Yan, Yong Jiang, Shuai Chen, **Zihao He**, Chunmei Li, Shu-Tao Xia, Shuo Dong, Feng Zheng.

IJCAI'19

Attentiondrop for Convolutional Neural Networks

Zihao Ouyang, Yan Feng, **Zihao He**, Tianbo Hao, Tao Dai, and Shu-Tao Xia

ICME'19

Neural Style Transfer with Content Discrimination

Xiyu Yan, Yeli Xing, **Zihao He**, Tao Dai, Yong Jiang, Shu-Tao Xia

ICME'19 (Workshop of Multimedia Artworks Analysis and Attractiveness Computing in Multimedia)

EXPERIENCE

Applied Science Intern @ Amazon , Seattle, WA, USA Book Recommendation with Raw Content	05/2021 - 08/2021
Applied Science Intern @ Amazon , Seattle, WA, USA User Cold-start with Collective Matrix Factorization	05/2020 - 08/2020
Algorithm Intern @ Didi Chuxing , Beijing, China Multi-task Learning for Multi-label Driver Misbehavior Classification	04/2019 - 07/2019
Research Assistant @ Tsinghua University , Beijing, China Attention-based Dropout for Convolutional Neural Networks	10/2018 - 03/2019

HONORS AND AWARDS

- Annenberg Fellowship, University of Southern California, 2019
- National Scholarship for Excellent Academic Performance (top 1.2%), 2018
- Meritorious Winner for the Interdisciplinary Contest in Modeling (top 10%), 2017
- Second Prize for the Chinese Mathematics Competitions (top 7.5%), 2017
- First Prize for National English Contest for College Students (top 0.6%), 2017

PROFESSIONAL SERVICES

- Program Committee Member (Reviewer): WSDM2020
- Program Committee Member: WWW2021