

# Zihao He

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## RESEARCH INTEREST

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

## EDUCATION

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**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

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**Infusing Wikipedia Knowledge to Enhance Stance Detection**

**Zihao He**, Negar Mokherian, Kristina Lerman

ACL'22 (Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis)

**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

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<b>Research Intern @ TikTok</b> , Mountain View, CA, USA Automatic Generation of Music Interpretation (music2text)	05/2022 - 08/2022
<b>Applied Science Intern @ Amazon</b> , Seattle, WA, USA Book Recommendation with Raw Content	05/2021 - 08/2021
<b>Algorithm Intern @ Didi Chuxing</b> , Beijing, China Multi-task Learning for Multi-label Driver Misbehavior Classification	04/2019 - 07/2019
<b>Research Assistant @ Tsinghua University</b> , Beijing, China Attention-based Dropout for Convolutional Neural Networks	10/2018 - 03/2019

## HONORS AND AWARDS

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- 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

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