

Binxuan Huang

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RESEARCH INTERESTS

Natural language processing in social networks, computational social science, machine learning, social network analysis.

EDUCATION

Carnegie Mellon University

Pittsburgh, U.S.

Institute for Software Research, School of Computer Science

Ph.D. in Societal Computing, advised by Prof. Kathleen M. Carley

2015-Present

Zhejiang University

Hangzhou, China

B.S. in Physics

2015

B.E. in Computer Science

2015

RESEARCH EXPERIENCE

Research Assistant

CASOS, Carnegie Mellon University, 2015-Present

Advisor: Prof. Kathleen M. Carley

Research Assistant

AI Lab, Zhejiang University, 2014-2015

Advisor: Prof. Xiaogang Jin

PUBLICATIONS

●Peer Reviewed Papers

Location Order Recovery in Trails with Low Temporal Resolution

Binxuan Huang and Kathleen M. Carley, IEEE Transactions on Network Science and Engineering (to appear)

Parameterized Convolutional Neural Networks for Aspect Level Sentiment Classification

Binxuan Huang and Kathleen M. Carley, EMNLP 2018 (to appear)

Aspect Level Sentiment Classification with Attention-over-Attention Neural Networks

Binxuan Huang, Yanglan Ou and Kathleen M. Carley, SBP-BRiMS 2018

On Predicting Geolocation of Tweets Using Convolutional Neural Networks

Binxuan Huang and Kathleen M. Carley, SBP-BRiMS 2017

RATE: Overcoming Noise and Sparsity of Textual Features in Real-Time Location Estimation

Yu Zhang, Wei Wei, **Binxuan Huang**, Kathleen M Carley, Yan Zhang, CIKM 2017

The Role of Different Tie Strength in Disseminating Different Topics on a Microblog

Felicia Natali, Kathleen M Carley, Feida Zhu, **Binxuan Huang**, ASONAM 2017

●Technical Reports

NATO Trident Juncture on Twitter: Public Discussion

William Frankenstein, **Binxuan Huang**, Kathleen M. Carley

●Working Papers

A Large Scale Empirical Study of Geotagging Behavior on Twitter

Binxuan Huang and Kathleen M. Carley (in submission)

A Probabilistic Framework for Location Inference from Social Media

Yujie Qian, Jie Tang, Zhilin Yang, **Binxuan Huang**, Wei Wei and Kathleen Carley (in submission)

Twitter User Location Prediction Unifying Text and Network

Binxuan Huang and Kathleen M. Carley (in preparation)

AWARDS AND HONORS

SBP-BRIMS 2018 Travel Grant	2018
SBP-BRIMS 2017 Travel Grant	2017
GuSH Research Grant Awards	2016
National Scholarship of China (Top 2%, twice)	2012 & 2013
First-Class Scholarship for Outstanding Students (Top 3%, twice)	2012 & 2013
First-Class Scholarship for Outstanding Merits (Top 3%, twice)	2012 & 2013
Excellent Student Awards (Top 3%)	2013
First Prize of the National Talents Training Base (Top 3%)	2012
Scholarship for Excellence in Arts and Sports	2012

TEACHING

Teaching Assistant, Dynamic Network Analysis	Spring, 2017 & 2018
Teaching Assistant, CASOS Summer Institute	June, 2016 & 2017 & 2018
Teaching Assistant, Introduction to Computing System	Summer, 2014

PROFESSIONAL SERVICE

Reviewer for SBP-BRIMS, TNSE, CMOT	2018
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GRADUATE COURSEWORK

Introduction to Machine Learning, Intermediate Statistics, Probabilistic Graphical Models, Dynamic Network Analysis, Computational Modeling, Convex Optimization, Deep Reinforcement Learning & Control, Deep Learning

TECHNICAL SKILLS

Programming: Python(Extensive), C/C++, Java, Matlab

Tools: SQL, Pytorch, Tensorflow, Spark, GraphFrames, Latex