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 Kathleen Carley   *2015-Present*
Zhejiang University   *Hangzhou, China*
B.Sc. in Physics   *2015*
B.E. in Computer Science (second degree)   *2015*

RESEARCH EXPERIENCE

Research Assistant   *CASOS, Carnegie Mellon University, 2015-*
Advisor: Prof. Kathleen Carley
Research Assistant   *AI Lab, Zhejiang University, 2014-2015*
Advisor: Prof. Xiaogang Jin

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*

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

•Working Papers

A Large Scale Empirical Study of Geotagging Behavior on Twitter
Binxuan Huang and Kathleen 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)

•Technical Reports

NATO Trident Juncture on Twitter: Public Discussion
William Frankenstein, **Binxuan Huang**, Kathleen M. Carley

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*

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