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.*
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

Publications

•Conference Papers

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

Location Order Recovery in Trails with Low Temporal Resolution]
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)

Aspect Level Sentiment Classication with Neural Attentions
Binxuan Huang and Kathleen M. Carley (in be submitted)

Semi-supervised Twitter User Location Prediction
Binxuan Huang and Kathleen M. Carley (in preparation)

•Technical Reports

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

Awards and Honors

SBP-BRIMS 2017 Travel Grant	*2017*
GuSH Research Grant Awards	*2016*
National Scholarship of China	*2012 & 2013*
First-Class Scholarship for Outstanding Students	*2012 & 2013*
First-Class Scholarship for Outstanding Merits	*2012 & 2013*
Excellent Student Awards	*2013*
First Prize of the National Talents Training Base	*2012*
Scholarship for Excellence in Arts and Sports	*2012*

Teaching

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

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, Latex, Linux, Pytorch, Tensorflow