

## Binxuan Huang

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### RESEARCH INTERESTS

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

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### 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.Sc. in Physics

*2015*

B.E. in Computer Science (second degree)

*2015*

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### RESEARCH EXPERIENCE

Research Assistant

*CASOS, Carnegie Mellon University, 2015-*

Advisor: Prof. Kathleen M. Carley

Research Assistant

*AI Lab, Zhejiang University, 2014-2015*

Advisor: Prof. Xiaogang Jin

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### 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

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

## TEACHING

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Teaching Assistant, Dynamic Network Analysis	<i>Spring, 2017 &amp; 2018</i>
Teaching Assistant, CASOS Summer Institute	<i>June, 2016 &amp; 2017 &amp; 2018</i>
Teaching Assistant, Introduction to Computing System	<i>Summer, 2014</i>

## PROFESSIONAL SERVICE

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Reviewer for SBP-BRIMS, TNSE, CMOT	<i>2018</i>
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## GRADUATE COURSEWORK

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

## TECHNICAL SKILLS

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

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