

# 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 Kathleen 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 Carley

Research Assistant

*AI Lab, Zhejiang University, 2014-2015*

Advisor: Prof. Xiaogang Jin

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## AWARDS AND HONORS

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*

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## 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 Classification with Neural Attentions

**Binxuan Huang** and Kathleen M. Carley (to be submitted)

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

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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

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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, Latex, Linux, OSX