



## Jiafan Zhang

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### Education

Bachelor's Degree, 2014 — Northwestern Polytechnical University, Xi'an, Shaanxi, PRC  
Major Courses: Mathematical Statistics. Stochastic Processes and etc.  
Ranking: 19/181

Master's Degree, 2017 — Northwestern Polytechnical University, Xi'an, Shaanxi, PRC  
Major Courses: Data Structure, Algorithm, Machine Learning, Database Theory and etc.  
Ranking: 13/196

### Awards

2014.8    - *BigDataScience'14* Best Paper Award  
2014.6    - Northwestern Polytechnical University Outstanding Graduation Design  
2013.6    - First Prize in Mathematical Modeling Contests of NWPU  
2012-2013 - Outstanding Student Award of NWPU and the first-class scholarship

### Experience

#### 2014 CONTENT TRENDING IN SOCIAL MEDIA

Based on Weibo data, we conduct hierarchical clustering on keywords and context to obtain the description of popular events, then analyze lexical entropy, temporal dynamics, and content originality to do event classification.

#### 2015 VISUALIZATION ANALYSIS WITH COMPLAINT DATA OF XI'AN GOVERNMENT

We analyze the complaint data to localize the related events. Besides, correlation analysis is conducted with POI, road network information and weather data.

#### 2016 AUTOMATIC STORYLINE GENERATION

We propose a multi-layered model for social event characterization. Based on this, an evolutionary and multi-clue-based approach is adopted for fine-grained event summary, and a progressively multi-layer fusion approach is utilized to identify inter-clue association and generate the storyline.

### Publications

*Approach for Urban Popular Event Detection Using Mobile Crowdsourcing Data* - **Computer Science**

*Trending Words Based Event Detection in Sina Weibo* - **BigDataScience'14**

*PublicSense: Refined Urban Sensing and Public Facility Management with Crowdsourced Data* - **UFirst@UIC'15**

*CrowdStory: Multi-layered Event Storyline Generation with Mobile Crowdsourced Data* - Submitted to **UbiComp'16**

### Skills

Programming Skills: C, Python, Java, Matlab, JavaScript  
English Certification: CET-6 (506).  
Others: MySQL, LaTeX, Regular Expression