

# Chengyu WANG

## PERSONAL DATA

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## EDUCATION

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SEPT 2015-Now Ph.D. in Software Engineering (Data Science and Engineering)  
School of Computer Science and Software Engineering,  
**East China Normal University**  
Supervisors: Prof. **Aoying Zhou** and Prof. **Xiaofeng He**  
Overall GPA: 90.29/100 Major GPA: 90.44/100  
Won **National Scholarship for PhD Students** twice (2016, 2017)  
SEPT 2011-JULY 2015 B.E. in Software Engineering  
Software Engineering Institute, **East China Normal University**  
Overall GPA: 3.77/4.0 Major GPA: 3.84/4.0  
Won **National Scholarship** three times (2012, 2013, 2014) and  
**Shanghai Outstanding Graduate** (2015)

## SKILLS AND QUALIFICATIONS

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### Computer Skills:

PROGRAMMING SKILLS Java, Python, C++, Python, SQL,  $\text{\LaTeX}$   
PLATFORMS & Tools Hadoop, Keras, TensorFlow, Mahout, Lucene, Weka  
DATABASES MySQL, SQL Server, Neo4j

### Language Skills:

CHINESE Native Speaker  
ENGLISH Good Command of Reading, Writing, Translation and Interpretation Skills  
**Shanghai Advanced English Interpretation**  
CET-6: 636/710 CET-4: 663/710  
JAPANESE Intermediate Level with Basic Communication Skills  
New Japanese Language Proficiency Test (JLPT): N3 Level  
FRENCH Basic Knowledge

## SELECTED AWARDS AND SCHOLARSHIPS

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2016, 2017 **National Scholarship for PhD Students** (twice)  
DEC 2016 ECNU Outstanding Doctoral Dissertation Cultivation Plan of Action  
NOV 2016 WISE 2016 Best Paper Nominee  
DEC 2015 ECNU Graduate Freshman Scholarship  
MAY 2015 **Shanghai Outstanding Graduate**  
2012, 2013, 2014 **National Scholarship** (three times)  
JUNE 2014 Special Prize in Mathematical Modeling Contest for College Students  
MAY 2014 Special Prize in National English Contest for College Students (top 0.1%)  
DEC 2013 Second Prize in First National Big Data Technology Innovation Contest  
OCT 2013 WISE 2013 Challenge Runner-up Award

## PUBLICATIONS

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### Journal Articles:

1. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *HEEL: Exploratory Entity Linking for Heterogeneous Information Networks*. submitted to **Knowl. Inf. Syst.**
2. **Chengyu Wang**, Yan Fan, Xiaofeng He, Aoying Zhou. *Predicting Hypernym-Hyponym Relations for Chinese Taxonomy Learning*. submitted to **Knowl. Inf. Syst.**
3. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *Event Phase Oriented News Summarization. World Wide Web* (in press)
4. **Chengyu Wang**, Guomin Zhou, Xiaofeng He, Aoying Zhou. *NERank+: A Graph-based Approach for Entity Ranking in Document Collections*. **Front. Comput. Sci.** (in press)
5. Jihong Yan, **Chengyu Wang**, Wenliang Cheng, Ming Gao, Aoying Zhou. *A Retrospective of Knowledge Graphs*. **Front. Comput. Sci.** (in press)
6. Jihong Yan, Wenliang Cheng, **Chengyu Wang**, Jun Liu, Ming Gao, Aoying Zhou. *Optimizing Word Set Coverage for Multi-event Summarization*. **J. Comb. Optim.** 30(4):996-1015 (2015)

### Conference Papers:

1. **Chengyu Wang**, Yan Fan, Xiaofeng He, Aoying Zhou. *Learning Fine-grained Relations from Chinese User Generated Categories*. **EMNLP 2017**: 2577-2587
2. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *A Short Survey on Taxonomy Learning from Text Corpora: Issues, Resources and Recent Advances*. **EMNLP 2017**: 1190-1203
3. **Chengyu Wang**, Junchi Yan, Aoying Zhou, Xiaofeng He. *Transductive Non-linear Learning for Chinese Hypernym Prediction*. **ACL 2017**: 1394-1404
4. **Chengyu Wang**, Xiaofeng He. *Chinese Hypernym-Hyponym Extraction from User Generated Categories*. **COLING 2016**: 1350-1361
5. **Chengyu Wang**, Rong Zhang, Xiaofeng He, Aoying Zhou. *Error Link Detection and Correction in Wikipedia*. **CIKM 2016**: 307-316
6. **Chengyu Wang**, Rong Zhang, Xiaofeng He, Guomin Zhou, Aoying Zhou. *Event Phase Extraction and Summarization*. **WISE 2016**: 473-488 (Best Paper Nominee)
7. **Chengyu Wang**, Rong Zhang, Xiaofeng He, Guomin Zhou, Aoying Zhou. *NERank: Bringing Order to Named Entities from Texts*. **APWeb 2016**: 15-27
8. **Chengyu Wang**, Rong Zhang, Xiaofeng He, Aoying Zhou. *NERank: Ranking Named Entities in Document Collections*. **WWW 2016**: 123-124
9. **Chengyu Wang**, Ming Gao, Xiaofeng He and Rong Zhang. *Challenges in Chinese Knowledge Graph Construction*. **DESWeb@ICDE 2015**: 59-61
10. **Chengyu Wang**, Bing Xiao, Xiang Li, Jiawen Zhu, Xiaofeng He, Rong Zhang. *Predicting Users' Age Range in Micro-blog Network*. **WISE 2013**: 516-521 (WISE 2013 Challenge Runner-up Award)
11. Yan Fan, **Chengyu Wang**, Xiaofeng He. *Exploratory Neural Relation Classification for Domain Knowledge Acquisition*. submitted to **DASFAA 2018**
12. Lu Wang, **Chengyu Wang**, Keqiang Wang, Xiaofeng He. *BiUCB: A Contextual Bandit Algorithm for Cold-Start and Diversified Recommendation*. **ICBK 2017**: 248-253
13. Ruolan Yong, **Chengyu Wang**, Xiaofeng He. *A Transfer Learning based Boosting Model for Emotion Analysis*. **ICBK 2017**: 264-269
14. Yan Fan, **Chengyu Wang**, Guomin Zhou, Xiaofeng He. *DKGBuilder: An Architecture for Building a Domain Knowledge Graph from Scratch*. **DASFAA 2017**: 663-667

15. Wenliang Cheng, **Chengyu Wang**, Bing Xiao, Weining Qian, Aoying Zhou. *On Statistical Characteristics of Real-life Knowledge Graphs*. **BPOE@VLDB** 2015: 37-49
  16. Jinyang Li, **Chengyu Wang**, Xiaofeng He, Rong Zhang, Ming Gao. *User Generated Content Oriented Chinese Taxonomy Construction*. **APWeb** 2015: 623-634
  17. Leyi Song, **Chengyu Wang**, Xiaoyi Duan, Bing Xiao, Xiao Liu, Rong Zhang, Xiaofeng He, Xueqing Gong. *TaxiHailer: A Situation-Specific Taxi Pick-Up Points Recommendation System*. **DASFAA** 2014: 523-526
  18. Kun Wang, Guohai Xu, **Chengyu Wang**, Xiaofeng He. *A Hybrid Abnormal Advertising Traffic Detection Method*. **ICBK** 2017: 236-241
  19. Chi Zhang, Yanhua Wang, **Chengyu Wang**, Wenliang Cheng, Xiaofeng He. *SNExtractor: A Prototype for Extracting Semantic Networks from Web Documents*. **WAIM** 2016: 527-530
  20. Fan Xia, Qunyan Zhang, **Chengyu Wang**, Weining Qian, Aoying Zhou. *On the Rise and Fall of Sina Weibo: Analysis Based on a Fixed User Group*. **SSEPM@ICDE** 2015: 224-231
  21. Yonghao Su, Chi Zhang, Jinyang Li, **Chengyu Wang**, Weining Qian, Aoying Zhou. *Cross-Lingual Entity Query from Large-Scale Knowledge Graphs*. **WDMA@APWeb** 2015: 139-150
- Papers in Chinese with English abstract:
1. Jinyang Li, Yanhua Wang, Yan Fan, **Chengyu Wang**, Rong Zhang, Xiaofeng He. *Chinese Taxonomy Construction and Search System*. **J. Comput. Appl.** 36(S1):207-209 (2016)

## ACTIVITIES

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### Conference Participation and Presentation:

- 2016 WWW 2016, CIKM 2016, COLING 2016, APWeb 2016, WISE 2016, DaSE Summer School
- 2015 ICDE 2015, DaSE Summer School
- 2014 VLDB Summer School, DaSE Summer School, CCF Advanced Disciplines Lectures
- 2013 WISE 2013, VLDB Summer School

### Teaching Experience:

- 2016 TA, Database Systems and Applications (Spring Semester)
- 2015 TA, Web System Development (Autumn Semester)

## REFERENCES

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- Aoying Zhou, Cheung Kong Professor  
President of School of Data Science and Engineering, Vice President of East China Normal University  
E-mail: [ayzhou@sei.ecnu.edu.cn](mailto:ayzhou@sei.ecnu.edu.cn)
- Xiaofeng He, Professor  
School of Computer Science and Software Engineering, East China Normal University  
E-mail: [xfhe@sei.ecnu.edu.cn](mailto:xfhe@sei.ecnu.edu.cn)