

"All things are difficult before they are easy!"

## Interests

1. **Information Retrieval / Natural Language Processing**
  - Question answering based on Deep Learning
  - Semantic search
  - Named entity recognition
  - Knowledge graph
2. **Software Engineering**
  - API Documentation mining
  - Human and social aspects of software engineering
3. **Signal Processing**
  - Multiple-input and multiple-output (MIMO) signal
  - Compressed sensing

## Education

### Ph.D.

MAJORING IN COMPUTER SCIENCE

SUPERVISOR: SUN AIXIN

Nanyang Technological University (NTU), Singapore

Dec. 2013 - Dec. 2017

### M.Eng.

MAJORING IN ELECTRICAL ENGINEERING

University of Electronic Science and Technology of China (UESTC), China

Jul. 2010 - Jul. 2013

### B.Eng.

MAJORING IN ELECTRICAL ENGINEERING

University of Electronic Science and Technology of China (UESTC), China

Jul. 2006 - Jul. 2010

## Honors & Awards

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|------|---|-----------|
| 2008 | <b>2nd Prize</b> , China Undergraduate Mathematical Contest in Modeling     | China     |
| 2010 | <b>Finalist</b> , Excellent Undergraduate Student Award in Sichuan Province | China     |
| 2012 | <b>Finalist</b> , Graduate National Scholarship                             | China     |
| 2014 | <b>Finalist</b> , Singapore Research Scholarship                            | Singapore |
| 2016 | <b>Finalist</b> , SIGAPP Student Travel Award                               | ACM       |

## Publications

22. **SegBot: A Generic Neural Text Segmentation Model with Pointer Network**  
Jing Li, Aixin Sun and Shafiq Joty  
IJCAI 2018, Under review.
21. **To Do or Not To Do: Distill Crowdsourced Negative Caveats to Augment API Documentation**  
Jing Li, Aixin Sun and Zhenchang Xing  
Journal of the Association for Information Science and Technology (JASIST). Elsevier, 2018. Revision.
20. **Leveraging Official Content and Social Context to Recommend Software Documentation**  
Jing Li, Zhenchang Xing and Ashad Kabir  
IEEE Transactions on Services Computing (TSC). IEEE, 2018. Revision.
19. **Learning to Answer Programming Questions with Software Documentation through Social Context Embedding**  
Jing Li, Aixin Sun and Zhenchang Xing  
Information Science (INS). Wiley, 2018. Revision.
18. **LinkLive: Discovering web learning resources for developers from Q&A discussions**  
Jing Li, Zhenchang Xing and Aixin Sun  
World Wide Web Journal (WWWJ). Springer, 2018. Revision

17. **From Discussion to Wisdom: Web Resource Recommendation for Hyperlinks in Stack Overflow**  
Jing Li, Zhenchang Xing, Deheng Ye and Xuejiao Zhao  
*The 31st ACM Symposium on Applied Computing (SAC 2016)*. pp. 1127-1133. Acceptance rate: 252/1047 (24.07%).
16. **BPMIner: Mining Developers' Behavior Patterns from Screen-Captured Task Videos**  
Jing Li, Lingfeng Bao, Zhenchang Xing, Xinyu Wang and Bo Zhou  
*The 31st ACM Symposium on Applied Computing (SAC 2016)*. pp. 1371-1377. Acceptance rate: 252/1047 (24.07%).
15. **Extracting and Analyzing Time-Series HCI Data from Screen-Captured Task Videos**  
Lingfeng Bao, Jing Li, Zhenchang Xing, Xinyu Wang, Xin Xia and Bo Zhou  
*Empirical Software Engineering (EMSE Journal), Springer, 2016*. pp.1-41. (2016 IF: 3.275)
14. **scvRipper: Video Scraping Tool for Modeling Developers' Behavior Using Interaction Data**  
Lingfeng Bao, Jing Li, Zhenchang Xing, Xinyu Wang and Bo Zhou  
*The 37th International Conference on Software Engineering (ICSE 2015) Demo*, vol.2, pp. 673-676.
13. **Reverse Engineering Time-Series Interaction Data from Screen-Captured Videos**  
Lingfeng Bao, Jing Li, Zhenchang Xing, Xinyu Wang and Bo Zhou  
*The 22nd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2015)*, pp. 399-408. Acceptance rate: 46/144 (32%).
12. **Learning to Extract API Mentions from Informal Natural Language Discussions**  
Deheng Ye, Zhenchang Xing, Chee Yong Foo, Jing Li and Nachiket Kapre  
*The 32nd International Conference on Software Maintenance and Evolution (ICSME 2016)*. Vol. 1, pp. 90-101. Acceptance rate: 37/125 (29%).
11. **Software-specific Named Entity Recognition in Software Engineering Social Content**  
Deheng Ye, Zhenchang Xing, Chee Yong Foo, Zi Qun Ang, Jing Li and Nachiket Kapre  
*The 23rd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2016)*. Vol. 1, pp. 90-101. Acceptance rate: 52/140 (37%).
10. **Software-specific Part-of-speech Tagging: An Experimental Study on Stack Overflow**  
Deheng Ye, Zhenchang Xing, Jing Li and Nachiket Kapre  
*The 31st ACM Symposium on Applied Computing (SAC 2016)*. pp. 1378-1385. Acceptance rate: 252/1047 (24.07%).
9. **HDSKG: Harvesting Domain Specific Knowledge Graph from Content of Webpages**  
Xuejiao Zhao, Zhenchang Xing, Muhammad Ashad Kabir, Shangwei Lin, Jing Li and Naoya Sawada  
*The 24th IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2017)*. Acceptance rate: 34/140 (24.3%).

#### Before Ph.D.

8. **Applications of Compressed Sensing for Multiple Transmitters Multiple Azimuth Beams SAR Imaging**  
Jing Li, Shunsheng Zhang, Junfei Chang  
*Progress In Electromagnetics Research (PIER)*, Vol. 127, pp. 259-275, 2012. (2011 IF: 5.298)
7. **Forward-Looking Bistatic SAR Imaging Based On High Order Range Equation And High Order Phase Compensation**  
Shunsheng Zhang and Jing Li\*  
*Journal of Electromagnetic Waves and Applications (JEWA)*, vol.26, nos.17-18, pp.2304-2314, 2012. \*Corresponding author. (2011 IF: 2.965)
6. **Two-Dimensional High Resolution Bistatic SAR Imaging Algorithm Based on Compressed Sensing**  
Jing Li, Shunsheng Zhang and Junfei Chang  
*Signal Processing*, vol.28, no.5, pp. 737-743, 2012.
5. **Two-Dimensional Random Sparse Sampling for High resolution SAR Imaging based on Compressed Sensing**  
Jing Li, Shunsheng Zhang and Junfei Chang, *IEEE Radar Conference (RadarCon)*, pp.01-05, 2012.
4. **A Novel Two Dimensional Imaging Algorithm Based on Compressed Sensing for Multi-Channel SAR**  
Jing Li, Shunsheng Zhang and Junfei Chang  
*The 9th European Conference on Synthetic Aperture Radar (EUSAR 2012)*, pp.619-622, 2012.
3. **Bistatic Forward-Looking SAR Imaging Based on Two-Dimensional Principle of Stationary Phase**  
Jing Li and Shunsheng Zhang  
*2012 International Workshop on Microwave and Millimeter Wave Circuits and System Technology (MMWCST2012)*, pp. 107-110, 2012
2. **Empirical Study on the Distribution and Growth Trend of Biotechnology Patents in China**  
Zhongguo Shi and Jing Li  
*iBusiness*, vol. 4 no. 2, pp. 93-97, 2012.
1. **A Novel SAR Imaging Algorithm Based on Compressed Sensing**  
Junfei Chang, Wei Zhang, Shunsheng Zhang and Jing Li  
*2011 IEEE CIE International Conference on Radar (Radar)*, pp. 1467-1470, 2011.

## References

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