YUN LI

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EDUCATION

Master of Science in Computer Science 2016.9 - Now
Intelligent Information Processing Group, Nanjing University. GPA:3.61/4.

Bachelor of Science in Computer Science Major with Finance Minor 2012.9 - 2016.6
Department of Computer Science and Technology, Nanjing University. GPA:4.22/5.

RESEARCH INTERESTS

My research interests mainly focus on big data analytics and natural language process, especially on the application of machine learning in topic model. My current topics are summarized as follows:

- Spatial database: keyword search
- Graph database: subgraph search, embedding
- Topic model: short text topic discovery.

RESEARCH PROJECTS

Pattern Match Queries for Spatial Database 2017.4 - 2018.3

· "Evaluating Pattern Matching Queries for Spatial Databases"[J], *VLDB Journal*, 2018. [minor revision]

- Introduced two new problems of spatial pattern match, and proposed four solutions
- Conducted extensive experiments and evaluated the proposed algorithms.
- Accomplished paper draft.

· "On Spatial Pattern Matching"[C], *ICDE*, 2018. [online demo]

- Implemented basic solutions and conducted experiments.

Short-text Topic Discovery 2016.9 - 2018.9

· "Constructing Pseudo Documents with Semantic Similarity for Short Text Topic Discovery"[C], *ICONIP*, 2018.

- Participated in designing the algorithms, implemented solutions, conducted the experiments, and revised the paper.

· "Exploiting Global Semantic Similarity Biterms for Short-text Topic Discovery"[C], *ICTAI*, 2018.

- Implemented algorithms, conducted the experiments and revised the paper.

· "Utilizing Recurrent Neural Network for Topic Discovery in Short Text Scenarios"[J], *Intelligent Data Analysis*, 2019. [to appear]

- Proposed new problems, designed and implemented algorithms, and conducted the experiments.

Exploiting Communities in Large Profiled Graphs 2017.10 - 2018.2

· "Exploring Communities in Large Profiled Graphs"[J], *TKDE*, 2018.

- Participated in designing the advanced algorithm and revised the paper.

PUBLICATIONS AND SUBMISSIONS

- Yixiang Fang, **Yun Li**, Reynold Cheng, Nikos Mamoulis, Gao Cong. "Evaluating Pattern Matching Queries for Spatial Databases"[J], *VLDB Journal*, 2018. [minor revision]

- Yixiang Fang, Reynold Cheng, Gao Cong, Nikos Mamoulis, **Yun Li**. "On Spatial Pattern Matching"[C], *ICDE*, 2018. [online demo]
- Hengyang Lu, **Yun Li**, Chi Tang, Chongjun Wang and Junyuan Xie. "Constructing Pseudo Documents with Semantic Similarity for Short Text Topic Discovery"[C], *ICONIP*, 2018.
- Hengyang Lu, Gaojian Ge, **Yun Li**, Chongjun Wang and Junyuan Xie. "Exploiting Global Semantic Similarity Biterms for Short-text Topic Discovery"[C], *ICTAI*, 2018.
- Hengyang Lu, Ning Kang, **Yun Li**, Qianyi Zhan, Junyuan Xie, Chongjun Wang. "Utilizing Recurrent Neural Network for Topic Discovery in Short Text Scenarios"[J], *Intelligent Data Analysis*, 2019. [to appear]
- Yankai Chen, Yixiang Fang, Reynold Cheng, and **Yun Li**, Xiaojun Chen, Jie Zhang. "Exploring Communities in Large Profiled Graphs"[J], *TKDE*, 2018.

SELECTED HONORS

First Prize of Academic Scholarships.	2016, 2017
Second Prize of People's Scholarship Award	2015
Outstanding Student, CST Dept.	2015, 2014
Excellent League Member Award, NJU	2014

SKILLS

Being familiar with Java, Python, C++ and Matlab
Being familiar with open-source framework including Hadoop and TensorFlow
Participating in a lot of software development and acting as leader in most cases
IELTS: 7.5