Xiaxia Wang (王夏霞)

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Short Bio

Currently I am a M.S. student of Department of Computer Science and Technology in Nanjing University and a member of Websoft Research Group. I received my B.S. degree of Information and Computing Science in June 2019 from Nanjing University of Aeronautics and Astronautics. In the same year, I was admitted to study for a M.S. degree in Nanjing University without entrance examination, supervised by Associate Prof. Gong Cheng and Prof. Yuzhong Qu.

Education

Nanjing University   *Sept. 2019 - Now*
M.S. student of Department of Computer Science and Technology
Supervisor: Associate Prof. Gong Cheng and Prof. Yuzhong Qu

Nanjing University of Aeronautics and Astronautics   *Sept. 2015 - Jun. 2019*
B.S. degree of Information and Computing Science
GPA: 4.5/5.0, Ranking: 1/70

Research Interest

My research interest lies in Semantic Web and Knowledge Graph for intelligent software systems.

Currently I mainly study the **semantic search** algorithms and techniques applied in **dataset search systems**, including data summarization, query analysis, and information retrieval.

Publications

1. **Xiaxia Wang**, Gong Cheng, Jeff Z. Pan, Evgeny Kharlamov, Yuzhong Qu
   BANDAR: Benchmarking Snippet Generation Algorithms for (RDF) Dataset Search.
   To appear in IEEE Transactions on Knowledge and Data Engineering (TKDE).

2. **Xiaxia Wang**, Gong Cheng, Tengteng Lin, Jing Xu, Jeff Z. Pan, Evgeny Kharlamov, Yuzhong Qu
   PCSG: Pattern-Coverage Snippet Generation for RDF Datasets.
   To appear in Proc. of the 20th International Semantic Web Conference (ISWC 2021), Part 1.

3. **Xiaxia Wang**, Jinchi Chen, Shuxin Li, Gong Cheng, Jeff Z. Pan, Evgeny Kharlamov, Yuzhong Qu
   A Framework for Evaluating Snippet Generation for Dataset Search.
   In Proc. of the 18th International Semantic Web Conference (ISWC 2019), Part 1.

4. **Xiaxia Wang**, Tengteng Lin, Weiqing Luo, Gong Cheng, Yuzhong Qu
   Content-Based Open Knowledge Graph Search: A Preliminary Study with OpenKG.CN.
   To appear in Proc. of the 2021 China Conference on Knowledge Graph and Semantic Computing (CCKS 2021).

5. **Xiaxia Wang**, Gong Cheng, Evgeny Kharlamov
   Towards Multi-Facet Snippets for Dataset Search.
   In Proc. of the 6th International Workshop on Dataset PROFILing and Search (PROFILES 2019).

6. Jinchi Chen, **Xiaxia Wang**, Gong Cheng, Evgeny Kharlamov, Yuzhong Qu
   Towards More Usable Dataset Search: From Query Characterization to Snippet Generation.
   In Proc. of the 28th ACM International Conference on Information and Knowledge Management (CIKM 2019).

Selected Awards and Honors

- First-Class Academic Scholarship of Nanjing University *2020*
- Outstanding Graduate Student of Nanjing University *2019*
- Jiangsu Financial Leasing Scholarship *2019*
- Huawei Scholarship of Nanjing University of Aeronautics and Astronautics *2018*
- First-Class Outstanding Student Scholarship of Nanjing University of Aeronautics and Astronautics *2016 - 2019*

Teaching Assistant

- **Graph Theory** *Spring 2020, Spring 2021*
  For graduate and undergraduate students.

PC Member

- CIKM 2020, CIKM 2021