

Yuying Zhao

EDUCATION

Huazhong University of Science and Technology
M.S. in Computer Science, GPA: 3.94/4.00

Wuhan, China
2018–2021(expected)

Huazhong University of Science and Technology
B.S. in Computer Science, GPA: 3.98/4.00

Wuhan, China
2014–2018

PUBLICATIONS

1. **Zhao Y**, Hu Y, Yuan P, and Jin H, “Maximizing Influence over Streaming Graphs with Query Sequence”, *Data Sci. Eng.*
2. Kang X, **Zhao Y**, Yuan P, and Jin H, “GRACE: An Efficient Parallel SPARQL Query System over Large-Scale RDF Data”, *CSCWD*, 2021.

SCHOLARSHIPS AND AWARDS

- Awarded an IBM Fellowship 2021
- The First Prize Scholarship 2018–2019
- “Outstanding Graduate” award for bachelor degree 2018

PROJECTS

- **Influence Maximization over Dynamic Graphs (2019-2020)**
intermediate compressed results; corresponding update algorithm
We extend the classical influence maximization problem from the static scenarios to the dynamic ones in a new perspective. While graph is evolving, the queries are raised sequentially, forming a query sequence. We propose a problem called Influence Maximization over Dynamic Graphs (DGIM) by taking query sequence into consideration. A sketch-based method is proposed as the baseline approach. A more effective index-based method is then implemented, which includes the exploitation of intermediate compressed results and corresponding update algorithms.
- **Traffic Data Visualization System (2017)**
visualization; large-scale real-world traffic data analysis
The traffic data is thoroughly analyzed in various aspects, including bus routing, the flow of people at different stations and lines. This information is then represented graphically by making use of visual elements like charts and maps. The final display shows the status of the public transport system, which makes it easier to find relatively densely populated or congested areas. The result serves as a reference for planning routes and adjusting stations and provides inspirational ideas for further research on traffic data.

EXTRACURRICULAR ACTIVITIES

- Volunteer at conference CCF BigData 2019 2019
More than 1,300 people, including industry leaders, experts and scholars, and business representatives in the field of big data, attended the conference. I assisted the teacher with financial work, printing the invoice and rechecking to assure correctness. I gave corresponding invoices to the enrolled participants and charged those who enrolled in the meeting at the scene.