

Zhaoming Chen

Curriculum Vitae

Harbin Institute of Technology
Shenzhen, China
☎ (+86)-15817266230
✉ ZhaomingChen686@gmail.com



Education

- 2022–present **Master in Mathematics, School of Science, Harbin Institute of Technology, China**, Score: 3.64/4.0.
Thesis Title: High utility subgraph mining algorithms in graph databases
Status: In the writing phase
- 2018–2022 **Bachelor in Information and Computing Sciences, School of Science, Yan-shan University, China**, Score: 92.23/100, Bachelor degree with honours.
Thesis Title: An efficient free tree mining algorithm for graph data sets
Graduation grade: A+

Publications

- **Zhaoming Chen**, Xinyang Chen, Guoting Chen, and Wensheng Gan, Frequent Subgraph Mining in Dynamic Databases, 2023 IEEE International Conference on BigData, pp 5733-5742.
- **Zhaoming Chen**, Cheng He, Guoting Chen, and Wensheng Gan, Philippe Fournier-Viger, HUSM: High utility subgraph mining in single graph databases, Information Sciences, 675(2024), 120743, 1-20.
- **Zhaoming Chen**, Xinyang Chen, Guoting Chen, and Wensheng Gan, Utility-driven free tree mining in graph databases, Submitted
- **Zhaoming Chen**, Xiaojie Zhang, and Guoting Chen, Incremental high utility subgraph mining in graph streams, Submitted

Research Experience

- 2022–present **Research Focus:** Data mining, Pattern mining in graph databases.
Task: Mining valuable subgraph structures in various graph databases, including dynamic and static graphs.
- 2020–2021 **Research Focus:** Machine learning, Research on Water Source Quality Evaluation and Prediction Methods Based on Intelligent Algorithms.
Task: Use different neural network algorithms based on various data characteristics, and optimize the neural network structure to achieve better prediction performance.
- 2019–2020 **Research Focus:** Machine learning, Research on Television Product Recommendation Based on Collaborative Filtering and Convolutional Neural Networks.
Task: Analyze the characteristics of different TV products and viewing audience profiles, and optimize convolutional neural networks to achieve better recommendation results.

Awards or Skills

Master: First-Class Scholarship

Bachelor: 2021-2022 National Scholarship (China), 7 First-Class Scholarships

Other prize: 2021: Second Prize (Honorable Mention) in the American College Student Mathematical Modeling Competition.

Programming: Java Python Matlab C++ Latex

Work Experience

04/2024- **Teaching Assistant**, *Data Mining*.

07/2024 **Task:** Supervise undergraduate students' laboratory courses and grade their regular assignments and code.

09/2022- **Teaching Assistant**, *Advanced Mathematics*.

06/2023 **Task:** Grade undergraduate assignments and provide regular assistance with questions.

References

- Guoting Chen, Professor, School of Sciences, Great Bay University, China,
Email: guoting.chen@univ-lille.fr
- Philippe Fournier-Viger, Distinguished Professor, College of Computer Science and Software Engineering, Shenzhen University, China,
Email: philfv@szu.edu.cn