

Jiahao Fang

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| Contact Information | Phone number: +86 15869111397 E-mail: jiahaof3@illinois.edu |
| Objective And Research Interests | To apply for the master program in Computer Science or Electrical and Computer Engineering starting from Fall 2024 . |
| Education | <div><div>University of Illinois Urbana-Champaign, IL, USA2022.8–2023.8</div><div>Major in <i>Electrical and Computer Engineering</i>, GPA 3.89/4.00<ul style="list-style-type: none">• CS 411 Database Systems (A)• CS 498 Cloud Computing Applications (A)• ECE 397 Individual Study in ECE (A)• ECE 329 Fields and Waves I (A+)• ECE 342 Electronic Circuits (A)</div><div><div>Zhejiang University, Zhejiang, China2020.9–2024.6(Expected)</div><div>Major in <i>Electrical Engineering</i>, GPA 3.90/4.00</div></div></div> |
| Research Experience | <div><div>The Application of Machine Learning to Database Query <i>Contribution to Conference Publication Supervised by Professor Daniel Kang in The Data and Information Systems Laboratory (DAIS), UIUC Since Summer 2023</i><ul style="list-style-type: none">• Implemented and reproduced functioning code of SUPG to prepare for Approximate Selection with Guarantees using Proxies in <i>GitHub</i>• Generated experiment datasets, modify codes, and ran test experiments about AIDB (Applied AI for Database Systems and Applications)</div><div>Self-study for Machine Learning and Computational Imaging <i>ECE 397 Independent Study Course Supervised by Professor Jane Zhao in University of Illinois Urbana-Champaign, IL, USA Spring 2023</i><ul style="list-style-type: none">• Learned fundamental math concepts and theoretical foundation of Machine Learning from <i>Machine Learning A Probabilistic Perspective - Kevin P. Murphy</i>• Recorded independent study experience in <i>Course Report</i></div></div> |
| Conference Publication | Akash Mittal, Chenghao Mo, Jiahao Fang , Chengsong Zhang, Tengjun Jin, Daniel Kang (Primary). AIDB: a Sparsely Materialized Database for Queries using Machine Learning. submitted to ACM SIGMOD/PODS International Conference on Management of Data, Santiago, Chile, June 9-15, 2024. |
| Course Project | University of Illinois Urbana, IL, USA <i>CS 411 Database Course Project</i> <div><div>Fall 2022</div><ul style="list-style-type: none">• Created visualizable charts to the Webpage• Developed a complete website on PC or a local network with <i>project sample link</i></div> |
| Honors and Awards | <div><div>The Third Prize of Zhejiang University Academic Excellence2021</div><div>Meritorious Winner (Top 7 percent) The Mathematical Contest in Modeling in Problem B (discrete problem)Winter 2021</div></div> |

**Computer
Skills**

Basic Languages: Python, C++
Database: MySQL, MongoDB, Neo4j (SQL and NoSQL)
Web Design: Nodejs, Postman, React (JavaScript library)