

# NIMA SHAHBAZI

Chicago, IL

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## RESEARCH INTEREST

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Data preparation, Data management, Algorithmic fairness, Responsible AI, Algorithmic databases/data mining.

## EDUCATION

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Ph.D. in Computer Science, **University of Illinois Chicago** 2020 - 2025  
*advisor*: Dr. Abolfazl Asudeh  
M.Sc. in Computer Science, **The University of Texas at Dallas** 2018 - 2020  
B.E. in Computer Engineering, **University of Isfahan** 2008 - 2013

## WORK EXPERIENCE

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Research/Teaching Assistant, **University of Illinois Chicago** 2020 - Present  
Research Scientist Intern, **Megagon Labs** May 2023 - Aug 2023  
Teaching Assistant **The University of Texas at Dallas** 2018 - 2020

## CONFERENCE

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1. Sana Ebrahimi, **Nima Shahbazi** and Abolfazl Asudeh “REALM: Reliability and Equity through Aggregation in Large Language Models”, Under revision in *NAACL 2024*.
2. **Nima Shahbazi**, Jin Wang, Zhengjie Miao and Nikita Bhutani. “Fairness-aware Data Preparation for Entity Matching”, in *ICDE 2024*.
3. **Nima Shahbazi**, Stavros Sintos and Abolfazl Asudeh. “FairHash: A Fair and Memory/Time-efficient Hash Map”, in *SIGMOD 2024*.
4. Melika Mousavi, **Nima Shahbazi** and Abolfazl Asudeh “Crowdsourcing Representation Bias Identification in form of Data Coverage in Image Data Sets”, in *EDBT 2024*.
5. **Nima Shahbazi**, Nikola Danevski, Fatemeh Nargesian, Abolfazl Asudeh and Divesh Srivastava “Through the Fairness Lens: Experimental Analysis and Evaluation of Entity Matching”, in *VLDB 2023*
6. Abolfazl Asudeh, **Nima Shahbazi**, Zhongjun Jin and H.V. Jagadish. 2021 “Identifying Insufficient Data Coverage for Ordinal Continuous-Valued Attributes”, in *SIGMOD 2021*.

## JOURNAL

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1. **Nima Shahbazi** and Abolfazl Asudeh. “Reliability Evaluation of Individual Predictions: A Data-centric Approach”, in *VLDB Journal 2024*.
2. **Nima Shahbazi**, Mahdi Erfanian and Abolfazl Asudeh. “Coverage-based Data-centric Approaches for Responsible and Trustworthy AI”, in *IEEE Data Engineering Bulletin 2024*.
3. **Nima Shahbazi**, Yin Lin, Abolfazl Asudeh and H.V. Jagadish. “Representation Bias in Data: A Survey on Identification and Resolution Techniques”, in *ACM Computing Surveys 2023*.

## WORKSHOP

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1. Khanh Duy Nguyen, **Nima Shahbazi** and Abolfazl Asudeh “PopSim: Individual-level Population Simulation for Equitable Allocation of City Resources”, Under revision in *DEEM 2024*.
2. Hantian Zhang, **Nima Shahbazi**, Xu Chu and Abolfazl Asudeh. 2021 “FairRover: Explorative Model Building for Fair and Responsible Machine Learning”, in *DEEM 2021*.

## SKILLS

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**Programming:** Python, Java, C++, SQL, Full-stack Web Development, Android

## PROFESSIONAL SERVICES

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- ARI reviewer at *SIGMOD'24* 2023
- ARI reviewer at *SIGMOD'23* 2022
- External reviewer at *ICDE'23* 2022
- Reviewer at *Information Systems* journal 2021
- Mentored 4 students for their senior/master's thesis at *UIC* 2021-present
- Student volunteer at *VLDB'20* 2020

## HONORS AND AWARDS

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- Ranked top 2% in the Iranian university entrance exam. 2008