Zhongjun Jin (Mark)

CONTACT INFORMATION

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RESEARCH INTERESTS

Democratizing self-service data preparation using a combination of AI, HCI and PL techniques.

EDUCATION

University of Michigan, Ann Arbor, MI, USA **Aug. 2014 - present**

Ph.D. Candidate, Computer Science and Engineering

- Advisor: Prof. Michael Cafarella and Prof. H. V. Jagadish

Purdue University, West Lafayette, IN, USA **Aug. 2011 - May 2014**

B.S. in Computer Science, Mathematics, GPA 3.85

Tianjin University, Tianjin, China (Top 5 in Engineering) **Aug. 2009 - Jul. 2011**

Electronic Information Science

PROFESSIONAL EXPERIENCE

Microsoft Research, Redmond, WA **Feb 2019 - present**

Research Intern (Mentored by Yeye He)

Trifacta, San Francisco, CA **May 2017 - Sep. 2017**

Software Engineering Intern (Mentored by Sean Kandel, Michael Minar, and Joe Hellerstein)
Designed and implemented a Programming-By-Example text format standardization framework, which infers explainable, configurable string transformation programs. The work resulted in a EDBT'19 paper and was officially added as a major feature to Trifacta Cloud Wrangler.

CONFERENCE AND WORKSHOP PAPERS

1. Assessing and Remedying Coverage for a Given Dataset.
   Abolfazl Asudeh, **Zhongjun Jin**, H. V. Jagadish.
   35th IEEE International Conference on Data Engineering (ICDE 2019), Macau, China, 2019
2. CLX: Towards verifiable PBE data transformation.
   Zhongjun Jin, Michael Cafarella, H. V. Jagadish, Sean Kandel, Michael Minar, Joseph M. Hellerstein.
   22nd International Conference on Extending Database Technology (EDBT 2019), Lisbon, Portugal, 2019
3. Demonstration of a Schema Mapping System Using Multiresolution Constraints.
   Zhongjun Jin, Christopher Baik, Michael Cafarella, H. V. Jagadish, Yuze Lou.
   9th Biennial Conference on Innovative Data Systems Research (CIDR 2019), Asilomar, CA, 2019
4. Beaver: Towards a Declarative Schema Mapping.
   Zhongjun Jin, Christopher Baik, Michael Cafarella, H. V. Jagadish.
   Proceedings of the 3rd Workshop on Human-In-the-Loop Data Analytics (HILDA @ SIGMOD 2018), Houston, TX, 2018
5. Foofah: Data Transformation By Example.
   Zhongjun Jin, Michael R Anderson, Michael Cafarella, H. V. Jagadish.

Proceedings of the 2017 ACM SIGMOD International Conference on Management of Data (SIGMOD 2017), Chicago, IL, 2017

6. Foofah: A Programming-By-Example System for Synthesizing Data Transformation Programs. (demo, selected as Best of Demos)
   Zhongjun Jin, Michael R Anderson, Michael Cafarella, H. V. Jagadish.
   Proceedings of the 2017 ACM SIGMOD International Conference on Management of Data (SIGMOD 2017), Chicago, IL, 2017

7. Privacy Preserving Access Control in Service-Oriented Architecture.
   Rohit Ranchal, Bharat K. Bhargava, Ruchith Fernando, Hui Lei, **Zhongjun Jin**.
   IEEE International Conference on Web Services (ICWS 2016), San Francisco, CA, 2016.

8. A Self-Cloning Agents Based Model for High-Performance Mobile-Cloud Computing.
   Pelin Angin, Bharat Bhargava, **Zhongjun Jin**.
   Cloud Computing, 2015 IEEE 8th International Conference (CLOUD 2015), New York, 2015.

Miscellany

poster- Privacy Preserving Access Control in Service Oriented Architecture.
Rohit Ranchal, Ruchith Fernando, **Zhongjun Jin**, Pelin Angin, Bharat Bhargava.
Proceedings of the 15th Annual Information Security Symposium, West Lafayette, IN, 2014.

Invited Talks

- "Intelligent Self-service Data Preparation: Problems and Solutions", 11/15/2018, Llamasoft Inc., USA.

Honors and Awards

- 1st Prize in "Systems, Software Engineering and Computer Science" session in *Michigan Engineering Graduate Symposium 2017 (EGS 2017)*, 2017.
- Selected as "Best of Demos" at SIGMOD 2017.
- Sigmod Travel Award, 2017.
- University of Michigan Departmental PhD Fellowship, 2014.
- Outstanding Undergraduate Research Endeavor Award, Purdue Computer Science Dept, 2014
- Purdue Computer Science Neel Memorial Scholarship, 2013
- Purdue Computer Science Departmental Scholarship, 2012

References

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Professor
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