Zhongjun Jin (Mark)

Contact Information

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Research Interests

Data Preparation/ETL, Data Integration, Program Synthesis

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

Research Experience

University of Michigan, Ann Arbor, MI, USA
Improving the Usability of Data Transformation Systems **Jan. 2015 - Nov. 2016**
Supervised by Prof. Michael Cafarella and Prof. H. V. Jagadish

- Developed a data transformation program synthesizer driven by input-output examples.
- Designed a combinatorial-search-based program synthesis algorithm that is able to synthesize high-quality programs using very few examples.

Purdue University, West Lafayette, IN, USA
Mobile Cloud Computing and Secure Data Sharing. **Aug. 2013 - May 2014**
Supervised by Prof. Bharat Bhargava

- Designed and implemented applications for proof of concept and performed the experiments.

Conference and Workshop papers

1. Unifacta: Profiling-driven Pattern Standardization. (under review)
   Zhongjun Jin, Michael Cafarella, H. V. Jagadish, Sean Kandel, Michael Minar.

2. 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

3. Foofah: A Programming-By-Example System for Synthesizing Data Transformation Programs. (demo, invited to Best of Demo Session)
   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

4. 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.

5. 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- Foofah: Data Transformation By Example.
Zhongjun Jin, Michael R Anderson, Michael Cafarella, H. V. Jagadish
U-M Data Science Research Forum, Ann Arbor, MI, 2017.

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.

Software Engineering Experience

Trifacta, San Francisco, CA **May 2017 - Sep. 2017**
Software Engineering Intern
Data Wrangling Core.

Qualcomm, San Diego, CA **May 2013 - Aug. 2013**
Software Engineering Intern
Integrated Functional Tests into ASIA Test Automation System Using Perl Scripting Language.

Delphi Electronics and Safety Lab, West Lafayette, IN **May 2012 - May 2013**
Part-time Software Verification Engineer Intern
Created New Features for DOORS Standard Control System using DXL Scripting Language.

Honors and Awards

- Sigmod Travel Award, 2017.
- University of Michigan Rackham Travel Grant, 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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University of Michigan
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