Zhongjun Jin (Mark)

CONTACT INFORMATION	4945 Bob and Betty Beyster Building 2260 Hayward Street Ann Arbor, MI 48109, USA	*Phone:* (765) 421-5014 *E-mail:* markjin@umich.edu, markjin1990@gmail.com *Website:* `https://markjin1990.github.io/`

RESEARCH INTERESTS

Data Wrangling/Integration/Extraction, Database Usability, Data Mining

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 user examples.
- Designed an A*-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. Foofah: Data Transformation By Example. (to appear)
   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

2. Foofah: A Programming-By-Example System for Synthesizing Data Transformation Programs. (demonstration paper, to appear)
   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. 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.

4. 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.

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

- 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

Michael Cafarella   **H. V. Jagadish**
Associate Professor   *Professor*
University of Michigan   University of Michigan
Department of CSE   Department of CSE
2260 Hayward Street   2260 Hayward Street
Ann Arbor, MI-48109   Ann Arbor, MI-48109
mjc@umich.edu   jag@umich.edu