

## Zhongjun Jin (Mark)

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CONTACT INFORMATION	4945 Bob and Betty Beyster Building 2260 Hayward Street Ann Arbor, MI 48109, USA	<i>Phone:</i> (765) 421-5014 <i>E-mail:</i> markjin@umich.edu, markjin1990@gmail.com <i>Website:</i> <a href="https://markjin1990.github.io/">https://markjin1990.github.io/</a>
RESEARCH INTERESTS	Data Preparation/ETL, Data Integration, Program Synthesis	
EDUCATION	<b>University of Michigan</b> , Ann Arbor, MI, USA	<b>Aug. 2014 - present</b>
	Ph.D. Candidate, Computer Science and Engineering	
	• Advisor: Prof. Michael Cafarella and Prof. H. V. Jagadish	
	<b>Purdue University</b> , West Lafayette, IN, USA	<b>Aug. 2011 - May 2014</b>
	B.S. in Computer Science, Mathematics, GPA 3.85	
	<b>Tianjin University</b> , Tianjin, China (Top 5 in Engineering)	<b>Aug. 2009 - Jul. 2011</b>
	Electronic Information Science	
RESEARCH EXPERIENCE	<b>University of Michigan</b> , Ann Arbor, MI, USA	<b>Jan. 2015 - Nov. 2016</b>
	Improving the Usability of Data Transformation Systems <i>Supervised by Prof. Michael Cafarella and Prof. H. V. Jagadish</i>	
	• 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.	
	<b>Purdue University</b> , West Lafayette, IN, USA	<b>Aug. 2013 - May 2014</b>
	Mobile Cloud Computing and Secure Data Sharing. <i>Supervised by Prof. Bharat Bhargava</i>	
	• Designed and implemented applications for proof of concept and performed the experiments.	
CONFERENCE AND WORKSHOP PAPERS	<ol style="list-style-type: none"><li>1. Unifacta: Profiling-driven Pattern Standardization. (under review) <b>Zhongjun Jin</b>, Michael Cafarella, H. V. Jagadish, Sean Kandel, Michael Minar.</li><li>2. Foofah: Data Transformation By Example. <b>Zhongjun Jin</b>, Michael R Anderson, Michael Cafarella, H. V. Jagadish. <i>Proceedings of the 2017 ACM SIGMOD International Conference on Management of Data (SIGMOD 2017)</i>, Chicago, IL, 2017</li><li>3. Foofah: A Programming-By-Example System for Synthesizing Data Transformation Programs. (demo, invited to Best of Demo Session) <b>Zhongjun Jin</b>, Michael R Anderson, Michael Cafarella, H. V. Jagadish. <i>Proceedings of the 2017 ACM SIGMOD International Conference on Management of Data (SIGMOD 2017)</i>, Chicago, IL, 2017</li><li>4. Privacy Preserving Access Control in Service-Oriented Architecture. Rohit Ranchal, Bharat K. Bhargava, Ruchith Fernando, Hui Lei, <b>Zhongjun Jin</b>. <i>IEEE International Conference on Web Services (ICWS 2016)</i>, San Francisco, CA, 2016.</li></ol>	

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: A Programming-By-Example System for Synthesizing Data Transformation Programs.  
**Zhongjun Jin**, Michael R Anderson, Michael Cafarella, H. V. Jagadish  
*Michigan Engineering Graduate Symposium 2017 (EGS 2017)*, 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*  
 Designed and implemented a Programming-By-Example String Pattern Standardization Feature.

**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

- 1st Prize in “Systems, Software Engineering and Computer Science” session in *Michigan Engineering Graduate Symposium 2017 (EGS 2017)*, 2017.
- 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

<b>Michael Cafarella</b> <i>Associate Professor</i> University of Michigan Department of CSE 2260 Hayward Street Ann Arbor, MI-48109 michjc@umich.edu	<b>H. V. Jagadish</b> <i>Professor</i> University of Michigan Department of CSE 2260 Hayward Street Ann Arbor, MI-48109 jag@umich.edu
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