Yuzhe (Richard) Tang

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Acadmic Position

2014 -	Assistant Professor, Department of EECS, Syracuse University

Education

Ph.D.	*Georgia Institute of Technology* (Atlanta, GA USA), 2009-2014
M.Sc.	*Fudan University* (Shanghai, China), 2006-2009
B.Sc.	*Fudan University* (Shanghai, China), 2002-2006

Research Interests

Distributed systems, Security and privacy, Performance optimization, Databases

Selected Publication

HotCloud'15	*Privacy-Preserving Offloading of Mobile App to the Public Cloud*
	Yue Duan, Mu Zhang, Heng Yin, **Yuzhe Tang**
TBC'15	*Secure Multi-party Computation on Grid Logistic Regression*
	Haoyi Shi, Shuang Wang, Wenrui Dai, **Yuzhe Tang**, Xiaoqian Jiang, LucilaOhno-Machado
BioInformatics'15	HEALER: Homomorphic computation of ExAct Logistic rEgRes-sion for secure rare disease variants analysis in GWAS
	Shuang Wang, Y. Zhang, W. Dai, K. Lauter, M. Kim, **Yuzhe Tang**, X. Jiang
TKDE'15	*Privacy-Preserving Multi-Keyword Search in Information Networks*
	Yuzhe Tang, Ling Liu
CCGrid'15 (Best)	*Deferred Lightweight Indexing for Log-Structured Key-Value Stores*
	Yuzhe Tang, Arun Iyengar, Wei Tan, Liana Fong, Ling Liu, Balaji Palanisamy
	Best Paper Award
ACSAC'14	*Lightweight Authentication of Freshness in Outsourced Key-Value Stores*
	Yuzhe Tang, Ling Liu, Xin Hu, Jiyong Jang
ICDCS'14	*e-PPI: Locator Service in Information Networks with Personalized Privacy Preservation*
	Yuzhe Tang, Ling Liu, Arun Iyengar
EDBT'14	*Diff-Index: Differentiated Index in Distributed Log-Structured Data Stores*
	Wei Tan, Sandeep Tata, **Yuzhe Tang**, Liana Fong
TPDS'13	*Auto-pipelining for Data Stream Processing*
	Yuzhe Tang, Bugra Gedik
Cloud'12 (Best)	*Reliable State Monitoring in Cloud Data Centers*
	Shicong Meng, Arun Iyengar, I. Rouvellou, L. Liu, K. Lee, B. Palanisamy, **Yuzhe Tang**
	Best Paper Award
CIKM'11	*Privacy Preserving Indexing for eHealth Information Networks*
	Yuzhe Tang, Ting Wang, Ling Liu, Shicong Meng, Balaji Palanisamy
TPDS'11	*A Lightweight Multi-dimensional Index for Complex Queries over DHTs*
	Yuzhe Tang, Jianliang Xu, Shuigeng Zhou, Wang-Chien Lee, Dingxiong Deng, Yue Wang
TKDE'10	*LIGHT: A Query-Efficient yet Low-Maintenance Indexing Scheme over DHTs*
	Yuzhe Tang, Shuigeng Zhou, Jianliang Xu
ICDCS'09	*m-LIGHT: Indexing Multi-Dimensional Data over DHTs*
	Yuzhe Tang, Jianliang Xu, Shuigeng Zhou, Wang-Chien Lee
ICDCS'08	*LHT: A Low-Maintenance Indexing Scheme over DHTs*
	Yuzhe Tang, Shuigeng Zhou

Patents

2014	Adaptive Auto-pipelining in Stream Processing Applications: US20140101668 Bugra Gedik, Scott A. Schneider, **Yuzhe Tang**, Kun-lung Wu

Teaching

2015 Fall	CIS655/CSE661, *Advanced Computer Architecture* Enrollment: 180 students
2015 Spring	CIS700/CSE791, *Distributed Systems in Cloud*, [website]
2014 Fall	CIS655/CSE661, *Advanced Computer Architecture* Enrollment: 180 students

Research Funding

2015	Optimizing Privacy-Preserving Analytics in Information Networks Yuzhe Tang (PI), $69,861

Student Supervision

Ph.D.	Ju Chen, Katchaguy Areekijseree
Master	Haoyi Shi

Professional Services

P.C.	ICDCS'15, Cloud'15, PAIS@EDBT'15, TWeb'15, TCSVT'14
Reviewer	ICDCS, TKDE, ICDE, Middleware, IEEE P2P, DEBS, MDM, JPDC, TSC
Summarizer	HealthTech@UsenixSecurity'14

Internship Experience

05/2013-08/2013	IBM Research (T.J. Watson Lab) at Yorktown Heights, NY USA
05/2012-08/2012	IBM Research (T.J. Watson Lab) at Yorktown Heights, NY USA
05/2011-08/2011	IBM Research (T.J. Watson Lab) at Hawthorn, NY USA
05/2010-08/2010	NEC Labs America at Cupertino, CA USA
01/2009-06/2009	Microsoft Research Asia at Beijing, China
01/2006-04/2006	IBM Corp. at Shanghai, China