

BASIC INFORMATION	Name: Fan Zhang 2 West Loop Road New York, NY 10044	http://fanzhang.me fanz@cs.cornell.edu
EDUCATION	Ph.D. Candidate in Computer Science Advisor: Prof. Ari Juels Dept. of Computer Science Cornell University B.S. in Electronic Engineering Dept. of Electronic Engineering Tsinghua University, Beijing, China GPA: 91.1 (out of 100)	August 2014– Aug, 2010 – Jul, 2014
RESEARCH AREA	Systems security, Applied Cryptography, Trusted Hardware, Blockchain	
WORKING EXPERIENCE	Researcher Oasis Labs Researcher SPR (Security & Privacy Research), Intel Labs System developer intern Intel Opensource Technology Center (01.org)	May, 2017 – Aug, 2017 Berkeley, CA Jul, 2017 – Aug, 2017 Hillsboro, OR Jun, 2013 – May, 2014 Beijing, China
PROFESSIONAL ACTIVITY	Program Committee <ul style="list-style-type: none"> The 5th Workshop on Bitcoin and Blockchain Research (BITCOIN'18), Financial Crypto 2018. Reviewer <ul style="list-style-type: none"> ACM Computing Surveys (2018) Nature Sustainability (2018) 	
HONORS AND AWARDS	IBM PhD Fellowship Award from IBM Academic Excellence Scholarship from Tsinghua University, China National Scholarship from the Ministry of Education of China Freshman Scholarship from Tsinghua University, China	2018 2013 2012 2010

INVITED TALKS	Paralysis Proof	
	<ul style="list-style-type: none"> • IC3 Retreat, New York City. May 10th, 2018 • 5th Bitcoin Workshop, Financial Crypto'18, Curacao. March 2nd, 2018 	
	REM	
	<ul style="list-style-type: none"> • USENIX Security'17, Vancouver BC, Canada. August, 2017 	
	Town Crier	
	<ul style="list-style-type: none"> • Silicon Valley Ethereum Meetup, Santa Clara, CA. August, 2017 • IC3 Retreat, San Francisco, CA. March, 2017 • CCS'16, Vienna, Austria. October, 2016 • IC3 Retreat, New York City. May, 2016 	
SOFTWARE ARTIFACTS	[1] Town Crier: an Authenticated Data Feed For Smart Contracts http://github.com/bl4ck5un/Town-Crier	
	[2] mbedtls-SGX: a SGX-friendly TLS stack (ported from mbedtls) https://github.com/bl4ck5un/mbedtls-SGX	
TEACHING EXPERIENCE	<i>Part-time Teaching Assistant</i>	2015, Fall
	CS 5435: Security and Privacy in the Wild	
	<i>Teaching Assistant</i>	2015, Spring
	CS5300: The Architecture of Large-scale Information Systems	
	<i>Teaching Assistant</i>	2014, Fall
	CS4410: Operating Systems	
PUBLICATIONS	[1] R. Cheng, F. Zhang, J. Kos, W. He, N. Hynes, N. Johnson, A. Juels, A. Miller, and D. Song, <i>Ekiden: A Platform for Confidentiality-Preserving, Trustworthy, and Performant Smart Contract Execution</i> , arXiv:1804.05141, Apr. 2018.	
	[2] F. Zhang, P. Daian, I. Bentov, and A. Juels, <i>Paralysis proofs: Safe access-structure updates for cryptocurrencies and more</i> , Cryptology ePrint Archive, Report 2018/096, 2018.	
	[3] I. Bentov, Y. Ji, F. Zhang, Y. Li, X. Zhao, L. Breidenbach, P. Daian, and A. Juels, <i>Tesseract: Real-time cryptocurrency exchange using trusted hardware</i> , Cryptology ePrint Archive, Report 2017/1153, 2017.	
	[4] E. Cecchetti, F. Zhang, Y. Ji, A. Kosba, A. Juels, and E. Shi, "Solidus: Confidential distributed ledger transactions via pvorm," in <i>ACM CCS 2017</i> , 2017.	
	[5] F. Zhang, I. Eyal, R. Escriva, A. Juels, and R. van Renesse, "Rem: Resource-efficient mining for blockchains," in <i>USENIX Security 17</i> , 2017.	
	[6] F. Tramer, F. Zhang, H. Lin, J.-P. Hubaux, A. Juels, and E. Shi, "Sealed-glass proofs: Using transparent enclaves to prove and sell knowledge," in <i>EuroS&P'17</i> , 2017.	
	[7] F. Zhang, E. Cecchetti, K. Croman, A. Juels, and E. Shi, "Town crier: An authenticated data feed for smart contracts," in <i>ACM CCS'16</i> , ser. CCS '16, Vienna, Austria: ACM, 2016, pp. 270–282, ISBN: 978-1-4503-4139-4.	

- [8] F. Tramer, F. Zhang, A. Juels, M. Reiter, and T. Ristenpart, “Stealing machine learning models via prediction APIs,” in *USENIX Security’16*, Austin, TX: USENIX Association, 2016.
- [9] L. Yang, Y. Cui, F. Zhang, J. P. Pollak, S. Belongie, and D. Estrin, “Plateclick: Bootstrapping food preferences through an adaptive visual interface,” in *Proceedings of the 24th ACM International on Conference on Information and Knowledge Management*, ACM, 2015, pp. 183–192.