## Frank Y. Wang

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Education	Massachusetts Institute of Technology Ph.D. in Computer Science Advised by Prof. Nickolai Zeldovich and Prof. James Mickens Thesis Title: Preventing Data Leakage in Web Services	Sept 2012 - July 2018	
	Stanford University B.S. in Computer Science with Honors and Minor in Mathematics Advised by Prof. Dan Boneh Thesis Title: Offloading Critical Security Operations to the GPU	Sept 2008 - June 2012	
Publications	1. <b>Frank Wang</b> , Ronny Ko, and James Mickens. "Riverbed: Enforcing Us straints in Distributed Web Services." In <i>Proceedings of Networked Systematation (NSDI)</i> 2019.	•	
	2. Frank Wang, James Mickens, and Nickolai Zeldovich. "Veil: Private Browsing Semantics Without Browser-side Assistance." In <i>Proceedings of Network and Distributed System Security Symposium (NDSS)</i> 2018.		
	3. Frank Wang, Yuna Joung, and James Mickens. "Cobweb: Practical Remote Attestation using Contextual Graphs." In <i>Proceedings of Workshop on System Software for Trusted Execution (SysTEX)</i> 2017.		
	4. Frank Wang, Catherine Yun, Shafi Goldwasser, Vinod Vaikuntanathan, and Matei Zaharia. "Splinter: Practical Private Queries on Public Data." In <i>Proceedings of Networked Systems Design and Implementation (NSDI)</i> 2017.		
	5. Frank Wang, James Mickens, Nickolai Zeldovich, and Vinod Vaikuntanathan. "Sieve: Cryptographically Enforced Access Control for User Data in Untrusted Clouds." In <i>Proceedings of Networked Systems Design and Implementation (NSDI)</i> 2016.		
	6. Dan Boneh, Craig Gentry, Shai Halevi, <b>Frank Wang</b> , and David J. Wu. "Private database queries using Somewhat Homomorphic Encryption." <i>In Proceedings of Applied Cryptography and Network Security (ACNS)</i> 2013.		
	<ol> <li>Zachary Weinberg, Jeffrey Wang, Vinod Yegneswaran, Linda Briesemeister, Steven Cheung, Frank Wang, and Dan Boneh. "StegoTorus: a camouflage proxy for the Tor anonymity system." In Proceedings of ACM Conference on Computer and Communications Security (CCS) 2012.</li> </ol>		
	8. Peifung E. Lam, John C. Mitchell, Andre Scedrov, Sharada Sundar "Declarative privacy policy: Finite models and Attribute-Based Encr of 2nd ACM International Health Informatics Symposium 2012.		
	9. Venkatasubramanian Viswanthan and <b>Frank Wang</b> . "Theoretical anal ticle size and support on the kinetics of oxygen reduction reaction on p Nanoscale, 2012, 4(16), 5110-5117.		
	<ol> <li>Venkatasubramanian Viswanathan, Frank Wang, and Heinz Pitsch. based approach for simulating nanostructured catalytic and electrocata ing in Science and Engineering, 2012, 14(2), 60-68.</li> </ol>	-	
Invited Talks	CRAFT Conf Building Cryptographically Secure Web Application Systems	Apr 2017	
	University of Pennsylvania Security Seminar Splinter: Practical Private Queries on Public Data	Mar 2017	
	University of Waterloo CrySP Seminar	Jan 2017	

	Sieve: Cryptographically Enforced Access Control for User Data in U trusted Clouds	n-
	Georgia Institute of Technology Cybersecurity Lecture Series Sieve: Cryptographically Enforced Access Control for User Data in U trusted Clouds	Sept 2016
	University of Washington Computer Science Seminar Sieve: Cryptographically Enforced Access Control for User Data in U trusted Clouds	Aug 2016
	Curry-On 2016 Sieve: Cryptographically Enforced Access Control for User Data in U trusted Clouds	July 2016
External Reviewer	2016 IEEE S&P, 2016 ACM CCS	
Teaching	Teaching Assistant for MIT Computer Networks (6.829) Teaching Assistant for MIT Computer Systems Security (6.858) Teaching Assistant for Stanford Introduction to Cryptography (CS 255)	Fall 2016 Fall 2012 Winter 2012
Other Teaching	<b>Recurse Center</b> , Resident Held security and cryptography seminars. Mentored program- mers in security, cryptography, and systems.	May 2016, June 2015
	<b>CMU Coursera Class</b> , Online Course Assistant Statistical Thermodynamics: Molecules to Machines	2014 - Current
Awards	NSF Graduate Research Fellowship Jacobs Presidential Fellowship Massachusetts Institute of Technology	Sept 2013 - Sept 2016 Sept 2012 - June 2013
Industry Experience	<b>Facebook</b> , Security Engineer Research Intern Designing and building infrastructure for intrusion detection.	June - Aug 2013
	<b>Google</b> , Software Engineering Intern Chrome security research project for Security Research Team under mentorship of Elie Bursztein and Ulfar Erlingsson.	June - Aug 2012
Other Experience	<b>Cybersecurity Factory</b> , Co-founder Summer program that provides mentorship and capital to early stage cybersecurity companies.	2015 - Current
	<b>Sidney Pacific</b> , Board of Trustees Advise new officers, administer elections, and deal with major issues.	May 2015 - Current
	<b>Rough Draft Ventures</b> , Venture Fellow Investment fund that invests in Boston early student startups.	2014 - 2017
	<b>Sidney Pacific</b> , Web Chair Maintain website and create new features.	Sept 2012 - May 2015