Ethan Cecchetti

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Education

Cornell University, Ithaca, NY PhD, Computer Science Dissertation: Mechanisms for Provable Integrity Protection in Decentralized Sy	2015 – 2021 vstems
Advised by Andrew C. Myers and Ari Juels	
Cornell University, Ithaca, NY Master of Science, Computer Science	2019
Brown University , Providence, RI Bachelor of Science, Mathematics – Computer Science	2008 – 2012
Employment	
VMware, Palo Alto, CA Research Intern	2019
TripAdvisor, Needham, MA Software Engineer	2012 – 2015
Google, Cambridge, MA Software Engineering Intern	2011
Awards and Honors	
Best Paper Award, 42 nd IEEE Symposium on Security and Privacy	2021
National Defense Science and Engineering Graduate (NDSEG) Fellowshi	i p 2017
Best Paper Award Finalist, 24 th ACM Conference on Computer and Commun	nication Security 2017
Outstanding Teaching Assistant, Cornell University, Department of Computer	er Science Fall 2015
Senior Prize, Brown University, Department of Computer Science	2012
Conference Publications	
Compositional Security for Reentrant Applications Ethan Cecchetti, Siqiu Yao, Haobin Ni, and Andrew C. Myers **P Best Paper Award [arxiv.org/abs/2103.08577]	IEEE S&P (Oakland) 2021
Giving Semantics to Program-Counter Labels via Secure Effects Andrew K. Hirsch and Ethan Cecchetti [doi org/10 1145/3434316]	POPL 2021

Page 1 of 3 August 2021

First-Order Logic for Flow-Limited Authorization Andrew K. Hirsch, Pedro H. Azevedo de Amorim, Ethan Cecchetti , Ross 7	CSF 2020 Fate, and Owen Arden
[arxiv.org/abs/2001.10630]	
PIEs: Public Incompressible Encodings for Decentralized Storage Ethan Cecchetti, Ben Fisch, Ian Miers, and Ari Juels [doi.org/10.1145/3319535.3354231]	CCS 2019
Obladi: Oblivious Serializable Transactions in the Cloud Natacha Crooks, Matthew Burke, Ethan Cecchetti , Sitar Harel, Rachit Ag [arxiv.org/abs/1809.10559]	OSDI 2018 garwal, and Lorenzo Alvisi
Nonmalleable Information Flow Control Ethan Cecchetti, Andrew C. Myers, and Owen Arden ■ Best Paper Award Finalist [doi.org/10.1145/3133956.3134054]	CCS 2017
Solidus: Confidential Ledger Transactions via PVORM Ethan Cecchetti, Fan Zhang, Yan Ji, Ahmed Kosba, Ari Juels, and Elaine S [doi.org/10.1145/3133956.3134010]	CCS 2017 Shi
Town Crier: An Authenticated Data Feed for Smart Contracts Fan Zhang, Ethan Cecchetti, Kyle Croman, Ari Juels, and Elaine Shi [doi.org/10.1145/2976749.2978326]	CCS 2016
Workshop Publications	
Securing Smart Contracts with Information Flow Ethan Cecchetti, Siqiu Yao, Haobin Ni, and Andrew C. Myers [~ethan/papers/ifc-contracts-fab20.pdf]	FAB 2020 [scfab.github.io/2020/]
Invited Talks	
Compositional Security for Reentrant Applications	
UC Berkeley Security Seminar UC San Diego Security Lunch	June 2021 Apr. 2021
Controlling Reentrancy with Information Flow	, .p = = -
UC Santa Cruz Languages, Systems, and Data Lab Seminar	Aug. 2019
One File for the Price of Three: Catching Cheating Servers in Decentralized Stora	ge Networks
MIT CSAIL Security Seminar	Sept. 2018
UC Berkeley Security Seminar	Aug. 2018
Initiative for CryptoCurrencies & Contracts (IC3) Meetup	Aug. 2018
Nonmalleable Information Flow Control	
Harvard Programming Languages Seminar	Apr. 2017

Page 2 of 3 August 2021

Professional Service

Program Committees

PLAS 2020 [pages.cispa.de/plas2020/] FAB 2020 [scfab.github.io/2020/]

Referee for TOPLAS [dl.acm.org/journal/toplas]

Sub-reviewer for OOPSLA 2021, CCS 2020, FC 2020, PLDI 2019, and OOPSLA 2019

Department and University Service

Cornell Graduate and Professional Student Leadership Council	2019 – 2020
Cornell Graduate and Professional Student Mental Health Council	2018 - 2020
Organized Cornell's Security and Privacy Discussion Group	2016 – 2019
Computer Science Graduate Organization: President	2017 – 2019
Graduate and Professional Student Assembly: Computer Science Field Representat	ive 2016 – 2018
Co-organizer of Computer Science Admitted PhD Student Visit Day	2016, 2017
Outreach	
Volunteer teacher for Conrell's annual Expanding Your Horizons Conference	2016 - 2019
Volunteer teacher for Bootstrap, teaching 6th - 8th graders math and programming	g 2013
Teaching	
Graduate TA (Cornell University Computer Science)	
CS 5430/5431: Systems Security (and Practicum)	Spring 2018
CS 2110: Object-Oriented Programming and Data Structures	Fall 2015
Bootstrap Volunteer Teacher	
Bootstrap Alegbra (Orchard Gardens Middle School, Roxbury, MA)	Spring 2013
Bootstrap Alegbra (Newton Community Education, Newton, MA)	Fall 2013
Head TA (Brown University Computer Science)	
CSCI 1510: Introduction to Cryptography and Computer Security	Fall 2011
CSCI 0510: Models of Computation	Fall 2010
Head TA and Course Development (Brown University Computer Science)	
CSCI 0190: Programming with Data Structures and Algorithms	Summer - Fall 2009

Page 3 of 3 August 2021