

Marcella Hastings

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#### CONTACT

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#### EDUCATION

**University of Pennsylvania**, Philadelphia, Pennsylvania USA  
Ph.D., Department of Computer Science, (*in progress*)  
Advisor: Nadia Heninger

**Tufts University**, Medford, Massachusetts USA  
B.S., Computer Science and Mathematics, May 2015  
*Summa Cum Laude*

#### PUBLICATIONS

##### *Refereed Conference Proceedings*

SoK: General Purpose Compilers for Secure Multi-Party Computation. Marcella Hastings, Brett Hemenway, Daniel Noble, and Steve Zdancewic. To appear in *40th IEEE Symposium on Security and Privacy* (Oakland '19). 2019.

Measuring small subgroup attacks on Diffie-Hellman. Luke Valenta, David Adrian, Antonio Sanso, Shaanan Cohney, Joshua Fried, Marcella Hastings, J. Alex Halderman, Nadia Heninger. In *Network and Distributed System Security Symposium* (NDSS '17). 2017.

Weak Keys Remain Widespread in Network Devices. Marcella Hastings, Joshua Fried, and Nadia Heninger. In *Proceedings of the 2016 ACM on Internet Measurement Conference* (IMC '16). November 14-16 2016.

#### SERVICE

##### *External Reviewing*

PETS 2017, 2018

#### TEACHING

##### *Teaching Assistant*

CIS 331: Introduction to Networks and System Security, Spring 2017, University of Pennsylvania  
CIS 556: Cryptography, Fall 2016, University of Pennsylvania  
COMP 170: Theory of Computation, Spring 2015, Tufts University  
COMP 50: Problem-Solving by Computer, Fall 2013, Tufts University  
COMP 11: Introduction to Computer Science, Fall 2012 - Spring 2015, Tufts University

##### *Middle School*

GEMS Computer Science Workshop, 2017

#### AWARDS AND HONORS

The James Schmolze Award for Excellence in Computer Science, Tufts University, May 2015

The Class of 1942 Prize Scholarship, Tufts University, May 2015

Tau Beta Pi