

Kevin Liao

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RESEARCH INTERESTS

Computer security & privacy, programming languages, formal methods, applied cryptography

EDUCATION

Ph.D. Computer Science, University of Illinois Urbana-Champaign, starting Fall 2017

B.S. Computer Science with Honors, Arizona State University, 2013–2017

Thesis: Toward Inductive Reverse Engineering of Web Applications (in progress)

Committee: Prof. Adam Doupé (Chair), Prof. Gail-Joon Ahn, Prof. Ziming Zhao

GPA: 4.00/4.00

HONORS & AWARDS

National Science Foundation Graduate Research Fellowship, 2017

ASU Outstanding Graduate in Computer Science, 2017

ASU Moeur Award, 2017

PUBLICATIONS

Refereed Conference

Kevin Liao, Ziming Zhao, Adam Doupé, and Gail-Joon Ahn. “Measurement and Analysis of CryptoLocker Ransoms in Bitcoin.” In Proceedings of the Symposium on Electronic Crime Research (**eCrime**), June 2016.

Refereed Workshop

Kevin Liao and Jonathan Katz. “Incentivizing Blockchain Forks via Whale Transactions.” To appear in the Proceedings of the 4th Workshop on Bitcoin and Blockchain Research (**BITCOIN**), April 2017. (37% acceptance rate)

Book Chapter

Kevin Liao, Ziming Zhao, Adam Doupé, and Gail-Joon Ahn. “Ransomware and Cryptocurrency: Partners in Crime.” In *Cybercrime Through an Interdisciplinary Lens* ed. by Thomas J. Holt. Advances in Intelligent Systems and Computing. Routledge, 2016.

In Submission

Kevin Liao, Tejas Khairnar, and Adam Doupé. Toward Inductive Reverse Engineering of Web Applications.

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant, University of Maryland, College Park, Jun 2016–Aug 2016

Advisor: Prof. Jonathan Katz

Undergraduate Research Assistant, Arizona State University, Mar 2015–Present

Advisors: Prof. Gail-Joon Ahn, Prof. Adam Doupé, Prof. Ziming Zhao

TEACHING

Course Designer, First Gen Scientists, Jul 2016–Dec 2016

Developed introductory computer science course serving at-risk children from under-served communities

Undergraduate Teaching Assistant, Arizona State University, 2014–2017

CSE220: Programming for Computer Engineering with Prof. Yinong Chen, Spring 2017

CSE240: Introduction to Programming Languages with Prof. Yinong Chen, Fall 2016

CSE110: Introduction to Programming with Prof. Yoshi Kobayashi, Fall 2014

Last updated: March 19, 2017

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