

KEVIN LIAO

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RESEARCH INTERESTS

Computer security, cryptography, programming languages, program synthesis, program verification

EDUCATION

[Ph.D. in Computer Science](#), University of Illinois at Urbana-Champaign Aug. 2017 - Present
Advisor: Andrew Miller

[B.S. in Computer Science with Honors](#), Arizona State University Aug. 2013 - May 2017
Advisors: Gail-Joon Ahn, Adam Doupé, Ziming Zhao

HONORS & AWARDS

[National Science Foundation Graduate Research Fellowship](#) Aug. 2017 - Present

[Outstanding Graduate in Computer Science](#), Arizona State University May 2017

[Moeur Award](#), Arizona State University May 2017

PUBLICATIONS

CONFERENCES

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

WORKSHOPS

[Incentivizing Blockchain Forks via Whale Transactions.](#)
[Kevin Liao](#) and Jonathan Katz.
Proceedings of the 4th Workshop on Bitcoin and Blockchain Research (**BITCOIN**), April 2017.

BOOKS & CHAPTERS

[Ransomware and Cryptocurrency: Partners in Crime.](#)
[Kevin Liao](#), Ziming Zhao, Adam Doupé, and Gail-Joon Ahn.
Cybercrime Through an Interdisciplinary Lens ed. by Thomas J. Holt.

IN SUBMISSION

[Jango: Towards Black-Box Inductive Synthesis of Web Applications for Automatic Exploit Generation.](#)
[Kevin Liao](#), Connor Nelson, and Adam Doupé.

PROFESSIONAL EXPERIENCE

[Research Assistant](#), University of Illinois at Urbana-Champaign Aug. 2017 - Present
Advisor: Andrew Miller

[Research Assistant](#), Arizona State University May 2017 - Aug. 2017
Advisor: Adam Doupé

[Undergraduate Research Assistant](#), University of Maryland Jun. 2016 - Aug. 2016
Advisor: Jonathan Katz

[Undergraduate Research Assistant](#), Arizona State University Mar. 2015 - May 2017
Advisors: Gail-Joon Ahn, Adam Doupé, Ziming Zhao

TEACHING

Teaching Assistant , University of Illinois at Urbana-Champaign CS498: Applied Cryptography	Fall 2018
Undergraduate Teaching Assistant , Arizona State University CSE220: Programming for Computer Engineering	Spring 2017
Course Designer , First Gen Scientists	Fall 2016
Undergraduate Teaching Assistant , Arizona State University CSE240: Introduction to Programming Languages	Fall 2016
Undergraduate Teaching Assistant , Arizona State University CSE110: Introduction to Programming	Fall 2014

TALKS

Incentivizing Blockchain Forks via Whale Transactions Workshop on Bitcoin and Blockchain Research (Sliema, Malta)	Apr. 2017
Measurement and Analysis of CryptoLocker Ransoms in Bitcoin Symposium on Electronic Crime Research (Toronto, CA)	Jun. 2016

MISC.

Cornell, Maryland, Max Planck Pre-Doctoral Research School	Aug. 2017
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