

# 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

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

## TALKS

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

## MISC.

<a href="#">Cornell, Maryland, Max Planck Pre-Doctoral Research School</a>	Aug. 2017
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